Installation / Operating Guide | Warranty

Model Numbers | H19E34Y | H20E34Y | H25E34Y **Concierge™ TVs**

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zenith

For Customer Support/Service please call:

1-888-865-3026

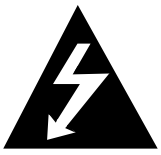
www.zenith.com

RECORD THE MODEL NUMBER

The model and serial number of the Concierge™ TV are located on the back of the cabinet. For future reference, we suggest that those numbers be recorded here:

MODEL NO._____

SERIAL NO._____



WARNING

RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

POWER CORD POLARIZATION:

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

COMPLIANCE:

The responsible party for this product's compliance is:
Zenith Electronics Corporation, 2000 Millbrook Drive, Lincolnshire, IL 60069, USA. Phone: 1-847-941-8000.

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IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

This product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into the new product, please read and observe the following safety points when installing and using the new product, and save them for future reference.

Observing the simple precautions discussed in this operating guide can help get many years of enjoyment and safe operation that are built into the new product.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

Do not place this product on a slippery or tilted surface, or on an unstable cart, stand, tripod, bracket, or table. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

PORTABLE CART WARNING

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Power Cord Polarization

This product is equipped with a polarized alternating-current power plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

(Continued on next page)

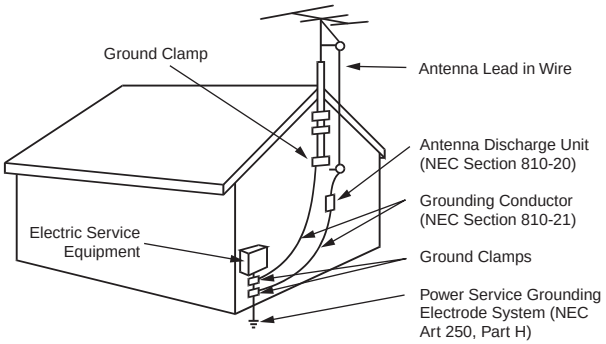
IMPORTANT SAFETY INSTRUCTIONS

(Continued from previous page)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions


Ground Clamp
Antenna Lead in Wire
Antenna Discharge Unit (NEC Section 810-20)
Grounding Conductor (NEC Section 810-21)
Electric Service Equipment
Ground Clamps
Power Service Grounding Electrode System (NEC Art 250, Part H)

NEC - National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. If the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e. If the product has been dropped or the cabinet has been damaged.

f. If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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Installer/Hotel Note:
Pages 13, 32, 33, 34, and 35 contain information and menus which the guest can use to operate the TV. It is recommended that these four pages be copied and included with the literature packet that the hotel provides to the guest.

Purchase the Optional Installer's Remote

To perform a normal installation set up, you need an installer's remote like the LP702. The LP702 is shown and described in later sections. The installer remote allows access to the Installer's menus, and User menus. The installer remote has Menu, Select, and Adjust Keys (Down/Left/Right arrow) keys.. To purchase the LP702 remote, see your Zenith Dealer.

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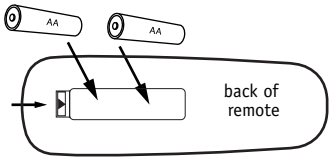
Antenna Hook Up

Connect an over-the-air antenna to the Concierge TV

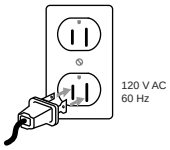
1 Locate the Antenna/Cable jack on the back of the Concierge TV.

2 Connect the antenna wire that runs from the wall, according to one of the diagrams to the right.

3 Remove the back of the remote and put in two AA batteries.



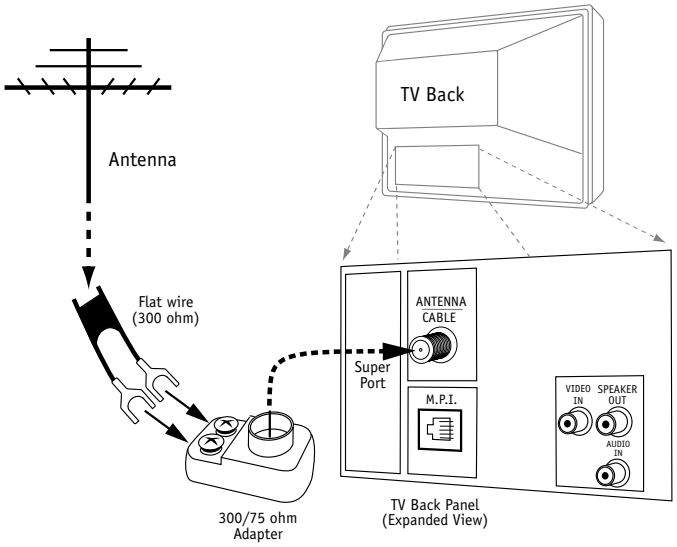
4 Plug in the TV. Concierge TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC power.

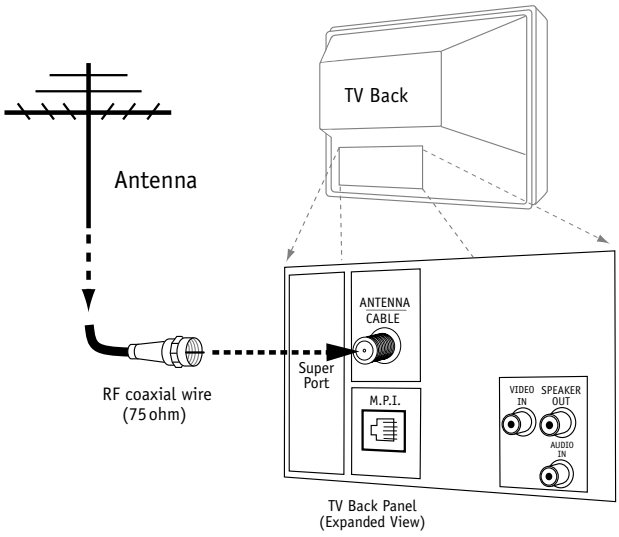


5 Go to page 11 to Auto Program the TV.

If you have a 75 ohm RF cable, then you don't need any adapters!

A 300 to 75 ohm adapter is not included with the Zenith Concierge TV.





Mini glossary

75 OHM RF CABLE	The wire that comes from an off-air antenna or cable service provider. Each end looks like a hex shaped nut with a wire sticking through the middle, and it screws onto the threaded jack on the back of your TV.
300 TO 75 OHM ADAPTER	A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end.

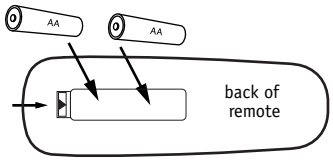
Cable Service Hook Up (CATV)

Connect cable service to the Concierge TV

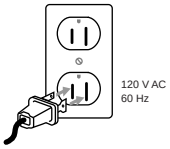
1 Locate the Antenna/Cable jack on the back of the Concierge TV.

2 Connect the cable service wire that runs from the wall, according to one of the diagrams to the right.

3 Remove the back of the remote and put in two AA batteries.



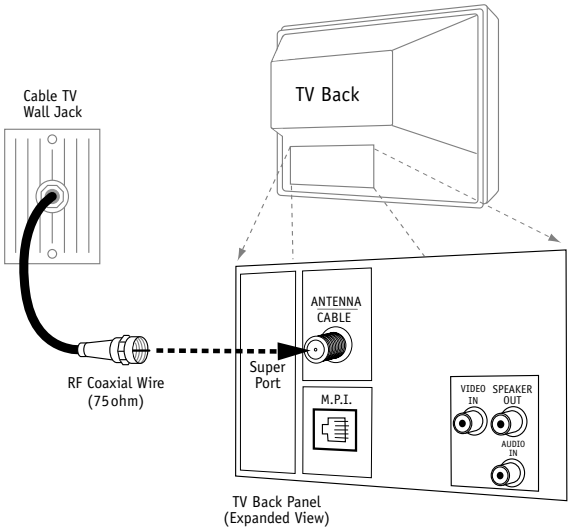
4 Plug in the TV. The Concierge TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC power.

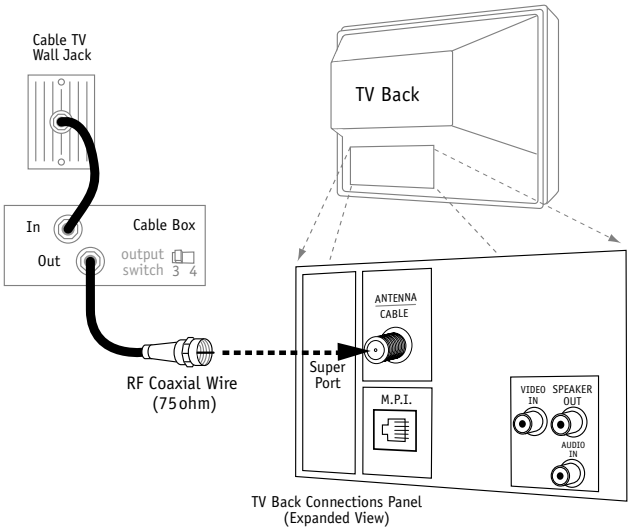


5 Go to page 11 to Auto Program the Concierge TV.

If you're using a cable box, leave the TV tuned to channel 3 or 4 and use the cable box to change channels.

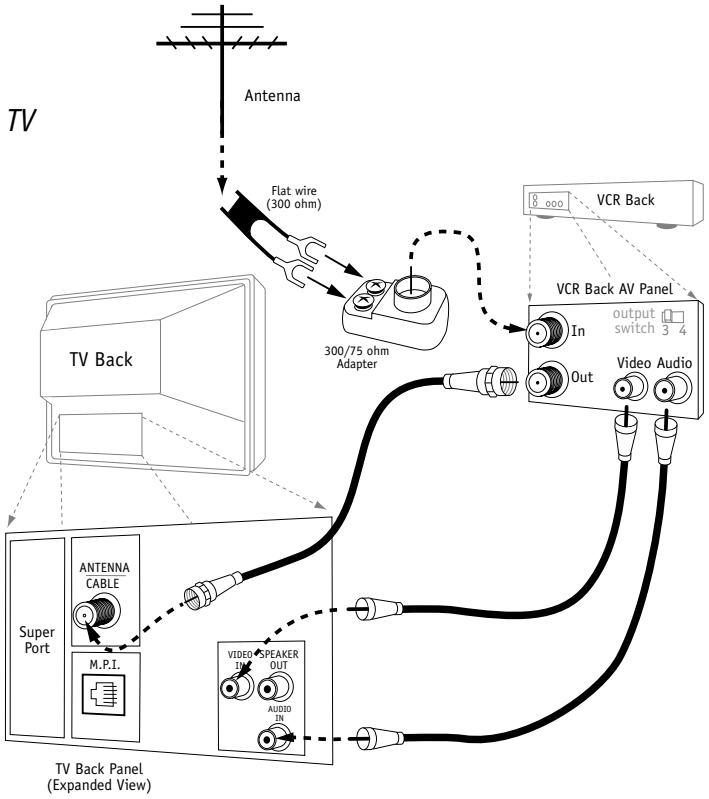
If you're using a cable box, Auto Program might only find the channel your cable service is on (usually channel 3 or 4).





Antenna With VCR Hook Up

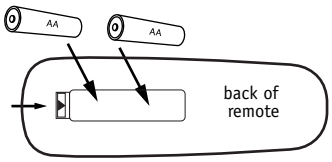
Connect an off-air antenna and VCR to the Concierge TV



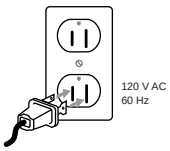
1 Locate the Antenna/Cable jack on the back of the VCR.

2 Connect the antenna wire that runs from the antenna, according to one of the diagrams to the right. Make other connections as needed.

3 Remove the back of the remote and put in two AA batteries.

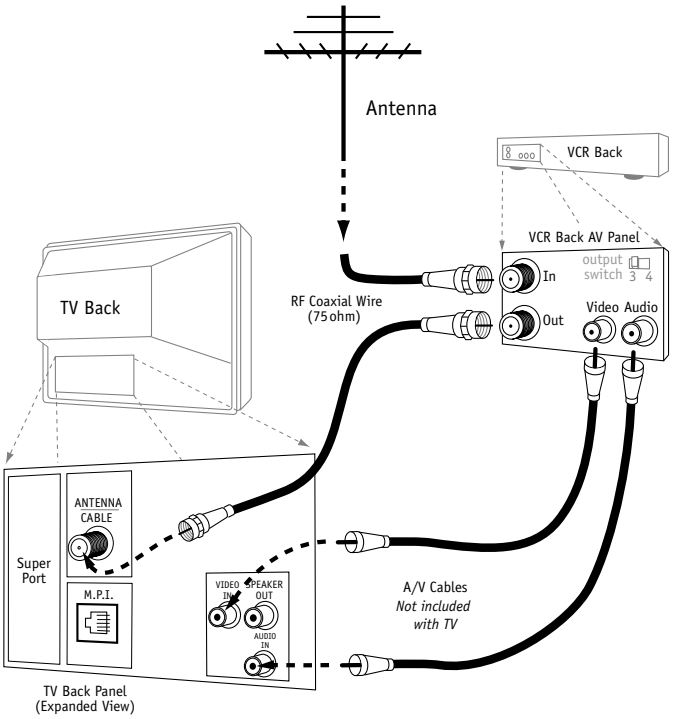


4 Plug in the TV. The Concierge TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC power.



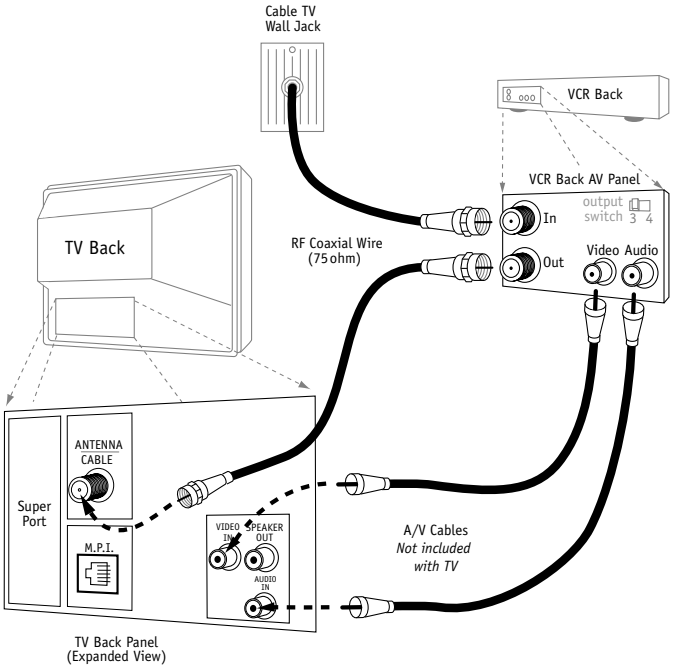
5 Go to page 11 to Auto Program the TV.

No A/V cables are included with the TV.



Cable Service (CATV) with VCR Hook Up

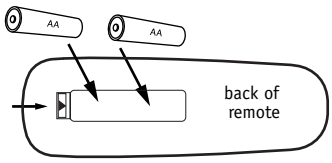
Connect a VCR and Cable service to the Concierge TV



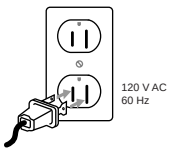
1 Locate the Antenna/Cable jack on the back of the VCR.

2 Connect the cable service wire that runs from the wall, according to one of the diagrams to the right. Make other connections as needed.

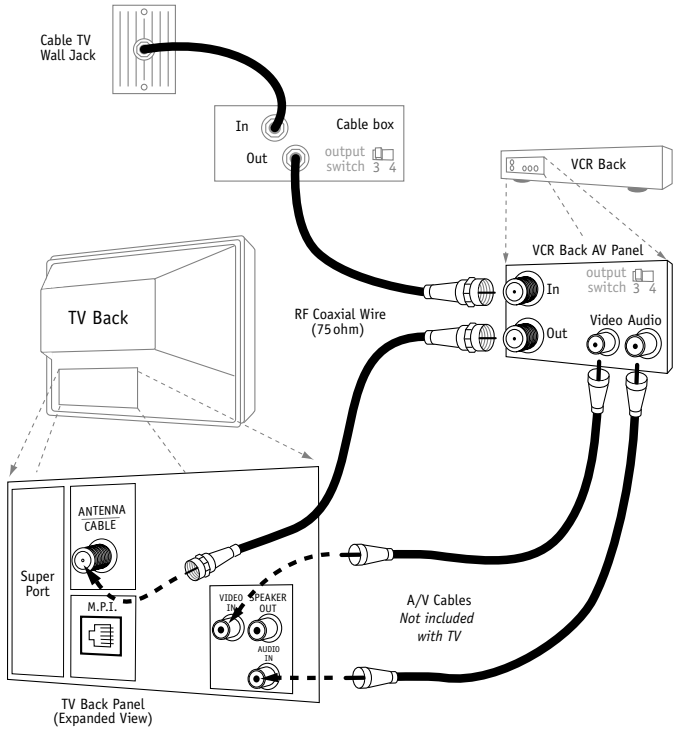
3 Remove the back of the remote and put in two AA batteries.



4 Plug in the TV. The Concierge TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC power.



5 Go to page 11 to Auto Program the TV.



Leave the VCR and the television tuned to channel three and use the cable box to change channels.

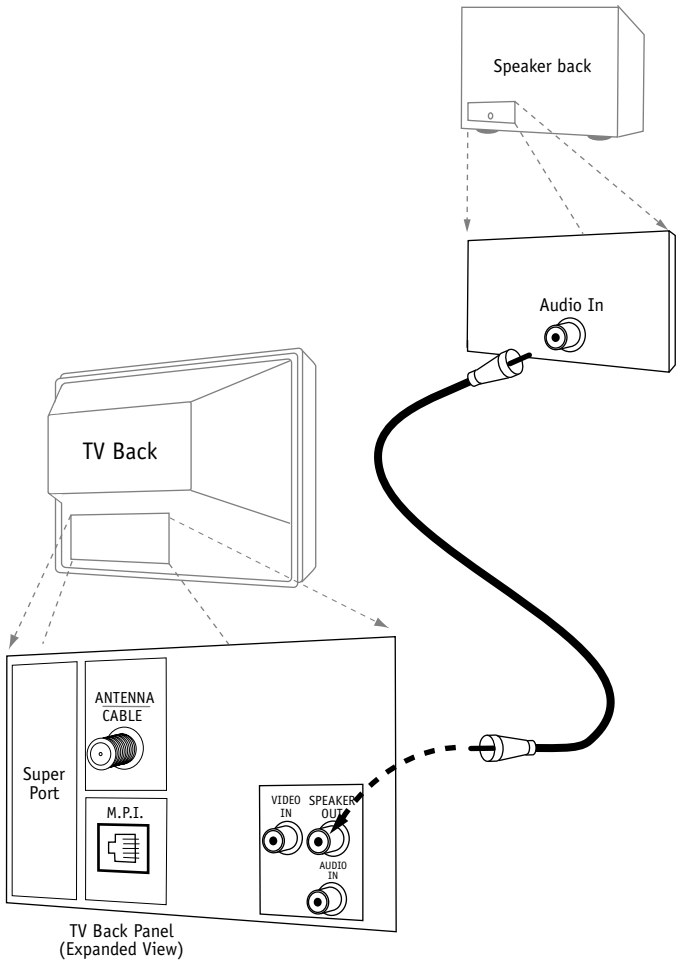
No A/V cables are included with the TV.

External Speaker Hook Up

Connect an external speaker to the Concierge TV

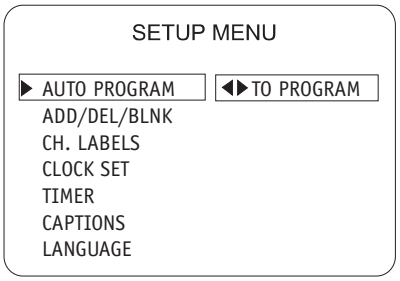
1 Locate the Audio In jack on the back of the external speaker.

2 Connect a standard audio cable from the Speaker Out jack on the TV, to the Audio In jack on the external speaker.



Auto Program (Channel Search)

Use Auto Program to specify Antenna or cable service incoming signal source and automatically store all of the channels that are found by channel search



1 Using an Installer remote control, press the POWER key to turn on the Concierge TV.

2 Press the MENU key to show the SETUP MENU.

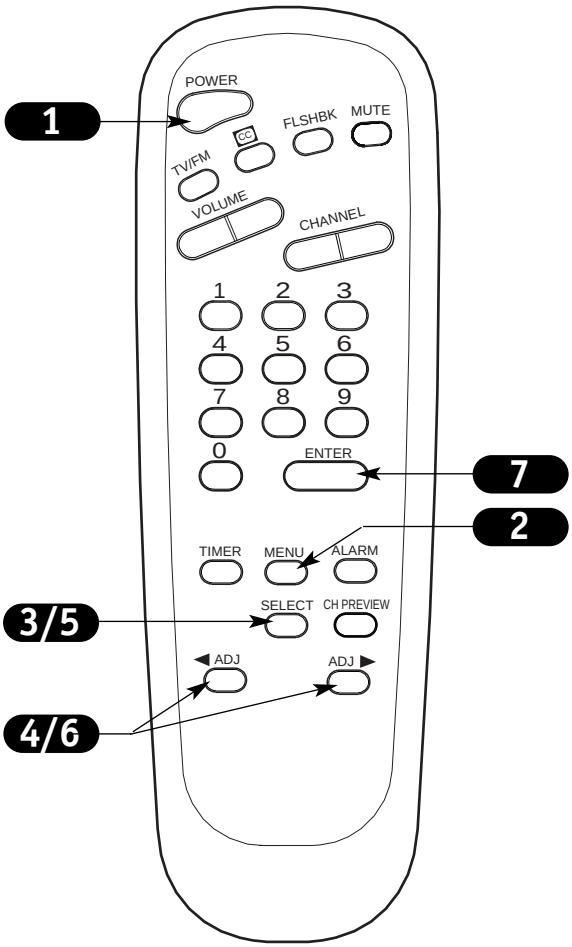
3 Using SELECT on the remote control, highlight AUTO PROGRAM on the screen.

4 Press the Right or Left ADJ (Adjust) arrow to go to the Auto Program menu.

5 Using SELECT, choose either CABLE TV or OFF AIR ANTENNA on your screen.

6 Press the Right or Left ADJ arrow key to begin the Channel Search.

7 Press ENTER when the channel search is complete.



Note: Auto Program finds channels being received by the TV tuner.

Cable will not work unless the lodge provides a cable service.

Mini glossary

OFF AIR ANTENNA	If the guest can only view over-the-air broadcasts, select Antenna.
CABLE	If you provide cable service to your guests, select Cable.

Front Panel Controls

Use the front control panel to access the menus or just operate the TV

Note: Item 10 Key Defeat, in the installer's menu allows the installer to:
Set Menu Option 10, Key defeat to "0" - Front panel controls give access to menus.
Set Menu Option 10, Key defeat to "1" - Menus not available with front panel controls.

1 Press POWER to turn on your TV.

2 To access the menus, press the MENU button on the control panel. Cycle through the various menus by pressing MENU repeatedly.

3 Use the SELECT button to highlight the option you want to modify.

4 Use either the Right or Left ADJUST button to modify the option you have chosen.

5 Press CAPTIONS to turn captions on and off.

The menu will disappear after a few seconds.

TV Operation

A Power turns the TV on and off.

B Channel Up/Down tunes to next channel.

C Volume Up/Down adjusts sound level.

D Captions turns selected Caption/Text option on and off.

Camport: Front Audio/Video Inputs

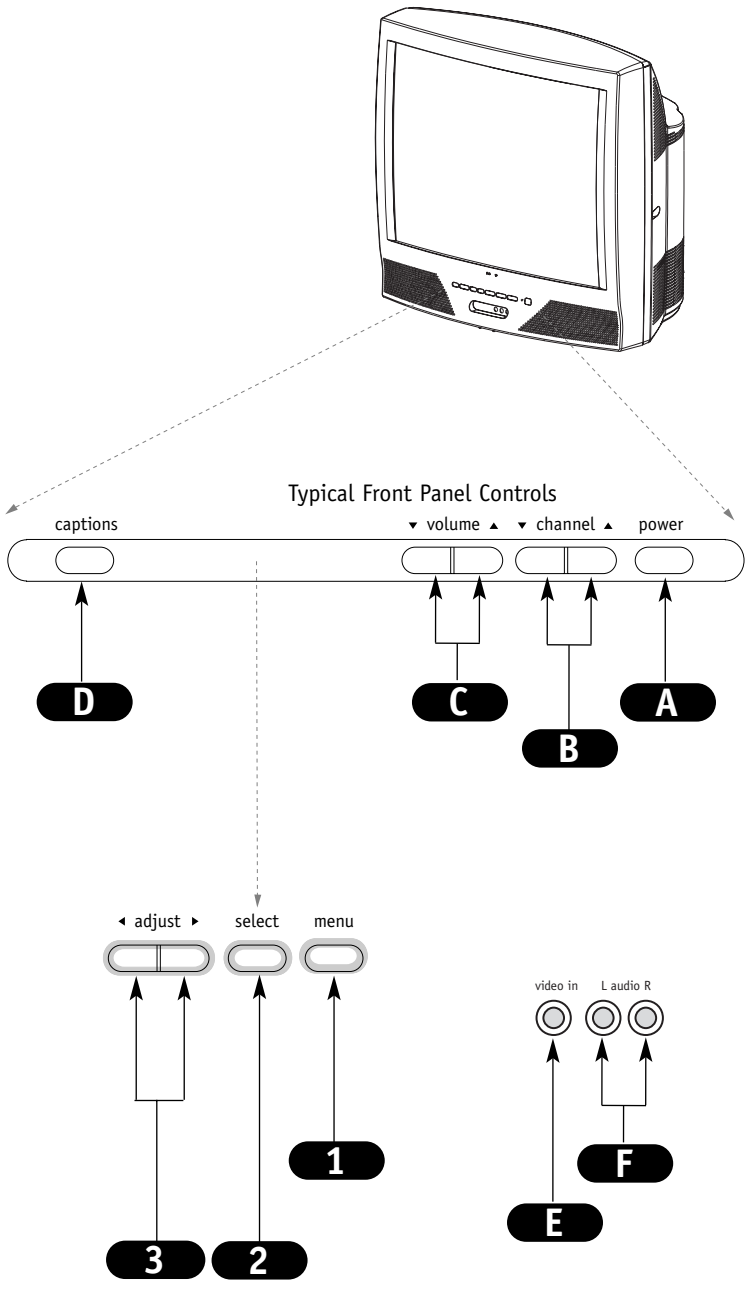
E Video Input

F L-Audio-R Inputs
Note: TV sound is always monaural. Left/Right Audio input is processed into monaural sound by the TV.

Front panel control menu operation buttons are not labeled and are not usually available to the guest.

You can use Channel to tune to available channels and Volume to set the sound level, regardless of the key defeat setting.

Camport jacks are not available on some models.



Guest Remote Key Functions

A brief overview of the keys on the guest remote and what they do

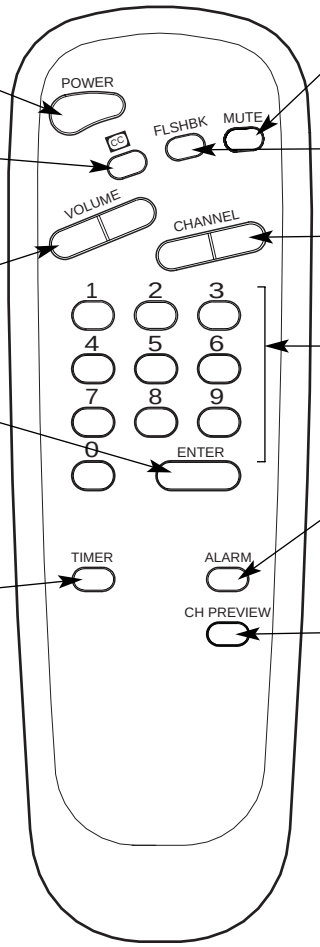
POWER
Turns TV On or Off.

CC (CLOSED CAPTIONING)
Press to access closed captions. Press ENTER to exit.

VOLUME LEFT/RIGHT
Adjusts the sound level.

ENTER
Press to view the Channel/Time display or to remove any on-screen display or menu.

TIMER
Press repeatedly to choose a TV turn-off time, up to 4-hours. Use to pick AM/PM in the Alarm menu.



MUTE
Turns sound Off and On, while the picture remains.

FLASHBK (FLASHBACK)
Returns to the last channel viewed.

CHANNEL (UP/DOWN)
Scrolls through available channels, and the Video Channel (Audio/Video source).

NUMBER KEYPAD
Selects channels directly: enter channel numbers and press ENTER to go to new channel.

ALARM
Press to display menu, then follow on-screen instructions to set a TV turn-on time.

CHANNEL PREVIEW
Displays the available TV channels, including access to guest's Parental Control menu. Allows guest to select the Aux Channel. (Use the Audio/Video jacks on the back of the TV as the source of the picture and sound.)

remote control part number
SC652A
124-213-02A

Installer Remote Key Functions

An overview of the keys on the LP702 installer's remote and what they do

POWER
Turns TV On or Off.

CC (CLOSED CAPTIONING)
Press to access closed captions. Press ENTER to exit.

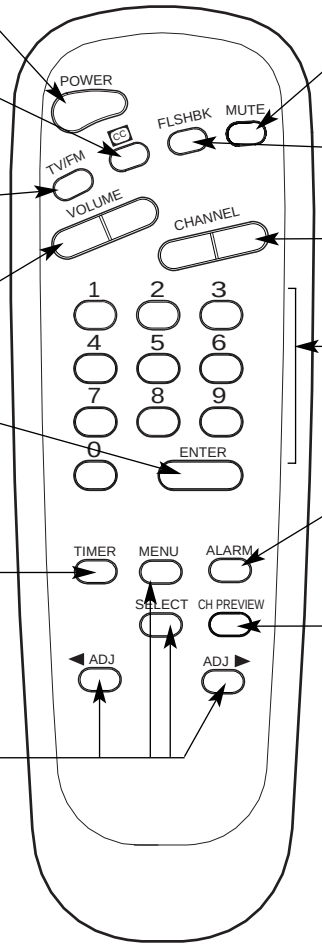
TV/FM
Selects TV or Radio on TVs equipped with FM radio.

VOLUME LEFT/RIGHT
Adjusts the sound levels.

ENTER
Press to view the Channel/Time display or to remove any on-screen display or menu.

TIMER
Press repeatedly to choose a TV turn-off time, up to 4-hours. Use to pick AM/PM in the Clock/Alarm menus, on some TVs.

MENU/SELECT/ADJ (ADJUST)
Press MENU repeatedly to scroll through either the Installer, or User menus. Use SELECT to choose an option and ADJ (adjust) to change the selected option.



MUTE
Turns sound Off and On, while the picture remains.

FLASHBK (FLASHBACK)
Returns to the last channel viewed.

CHANNEL (UP/DOWN)
Flips through available channels.

NUMBER KEYPAD
Selects channels directly and enters numeric values for some options.

ALARM
Press to go to the Alarm menu. Set a time for the TV to turn itself on.

CHANNEL PREVIEW
Gives installer access to the guest's menus. Displays the available TV channels and hotel guest's Parental Control menu. Allows user to select the Aux Channel. (Use the Audio/Video jacks on the back of the TV as the source of the picture and sound.)

remote control part number
LP702
124-213-04

Descriptions of the menus and on-screen displays on the TV available to the installer

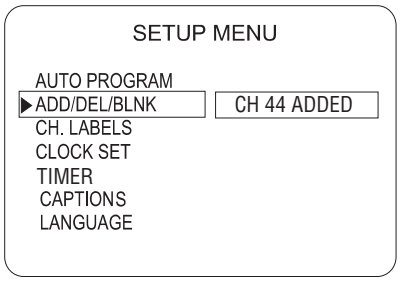
Using the Menu button on the installer's remote, the installer can access all the menus below.

Menu Name	Page	Description
		ON-SCREEN MENUS
SETUP MENU		Adjusts the basic characteristics of the TV
Auto Program	11	Automatically finds and stores active channels in memory to scroll through using Channel Up/Down.
Add/Del/Blnk	16	Picks and chooses which active channels will appear when using Channel Up/Down
Channel Labels	17	Labels available channels with their network names (ABC, CBS, HBO, etc.).
Clock Set	18	Sets the time.
Timer	19	Sets times for the TV to turn itself on and off each day.
Captions	20	Chooses the captioning or text option.
Language	21	Select the language the on-screen menus will appear in.
VIDEO MENU	22	Adjusts the picture settings. The options are: Contrast, Brightness, Color, Tint, Sharpness, Picture Pref.
PARENTAL CONTROL MENU	23	Allows installer to block any channel or A/V source for up to 99 hours, with the use of a password.
	25	**OTHER MENUS AND ON-SCREEN DISPLAYS**
Channel/Time		Shows the current time, channel, video, type of incoming audio signal, and XDS* data if available.
Alarm		Sets a time for the TV to automatically turn itself on.
Sleep Timer		Sets the time the TV will turn itself off.
Volume		Shows current sound level.
Captions		Selects Caption/Text options.
Ch Preview		Displays the available channels list, access to Parental Control, and Aux source selection.
Channel Bank		Shows currently selected channel bank.
		INSTALLER MENUS
INSTALLER MENUS	29	Make adjustment to the TV's operational features.

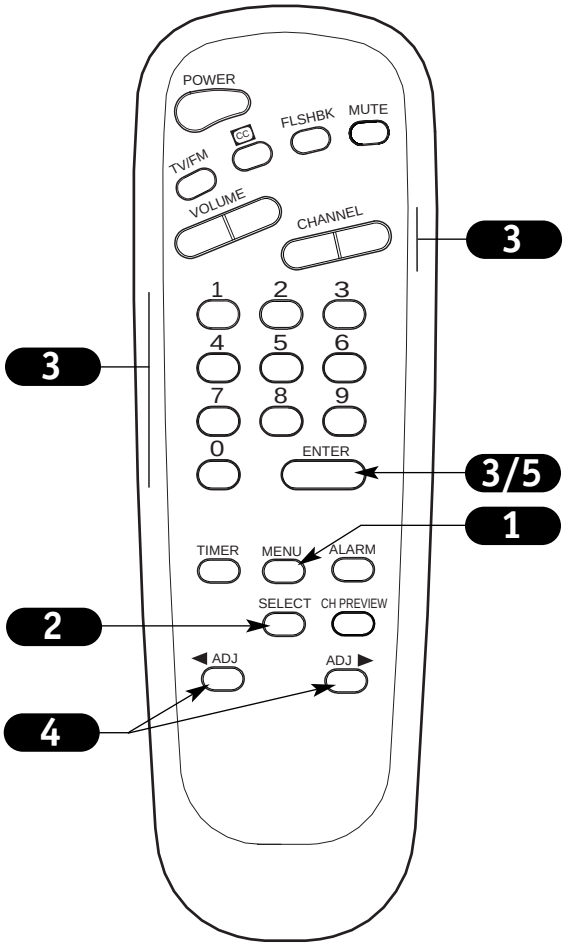
*XDS (Extended Data Service) Additional program information provided at the discretion of the broadcaster. May include: title of broadcast, elapsed time, and time remaining on program.

Channel Add/Delete/Blank

Fine-tuning the guest's channel selection list



1. Press the MENU key on an Installer's remote so the SETUP MENU appears.
2. Press SELECT repeatedly to go to the Add/Del/Blnk option.
3. Using either the NUMBER keypad and ENTER or the Channel Up/Down arrows on the remote, select a channel. (If adding a deleted channel, you will need to use the number keypad and ENTER.)
4. Using the Right/Left ADJ arrows, pick whether that channel is Added, Deleted, or Blank.
5. To continue, select another channel and repeat from Step 3. When you are finished, press ENTER to remove menu.



Adding Aux, VCR 3, or VCR 4 to the Channel Preview List

Go to the Setup menu, select the Add/Del/Blnk option. Use Channel Up/Down to select the option and choose Added. Note: If the option was turned off in the Service menu, you will have to reinstate it before it can appear as an option in the Channel Preview list.

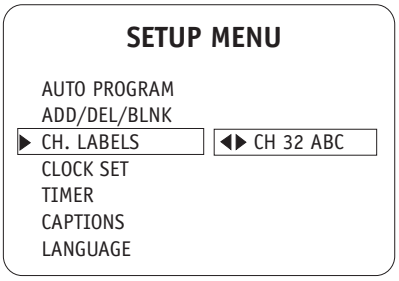
Note: You can elect to Add, Delete or Blank: **VCR 3**, **VCR 4**, and **Aux**.

If you delete a channel, it isn't gone for good. Just select it using the NUMBER keypad on the remote, or add it later.

Mini glossary

ADD	Adds new channels to the list that the guest can scroll through when using the remote.
DELETE	Removes channels for one reason or another from the list that the guest can scroll through.
BLANK	Removes the video signal from a channel so the guest will only receive the audio signal.

Customizing the channel selection names



Overview

Channel Labels help the user identify the channel or network being viewed.

In the Setup menu with the CH. LABELS option highlighted, use the Adjust Left/Right arrows to scroll through the available channel labels, such as, A & E, AMC, ESPN, HBO, etc. These are a series of alphabetically organized preset labels from which you can choose the more common networks. Use any of these or create custom labels.

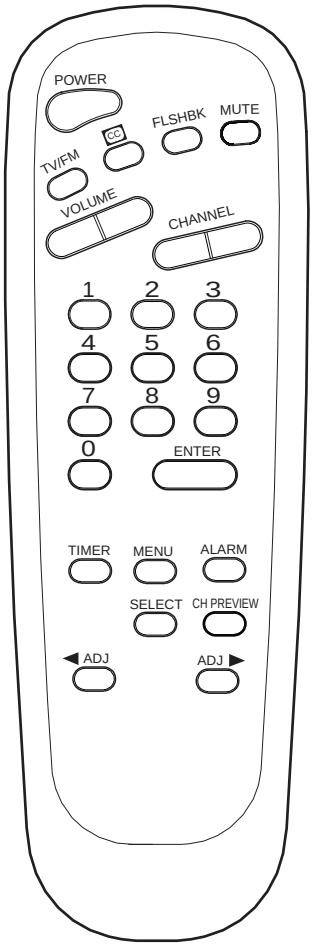
- - - - , The 4 dashes will allow a channel label to appear; if one is provided by XDS. (Extended data service)

NONE, prevents any channel label from appearing.

LAB 1, thru **LAB 20**, are the 20 programmable labels.

The 20 programmable labels can be customized for your needs.

Each programmable label has 5 characters spaces available.



Creating Custom Channel Labels

First select a channel using the NUMBER keypad and ENTER or the Channel Up/Down arrows, on an Installer's remote control. (To select a deleted channel, use the NUMBER keypad and ENTER.)

To create a channel label, go to the SETUP MENU and select CH. LABELS.

Press the Right/Left ADJ key to scroll the available preset labels. Scroll past - - - - , scroll past NONE, to go to the first programmable label slot, LAB 1. (Label 1) Notice that the label appears with the title LAB 1, and is also on a dark background; which will distinguish it from the preset labels.

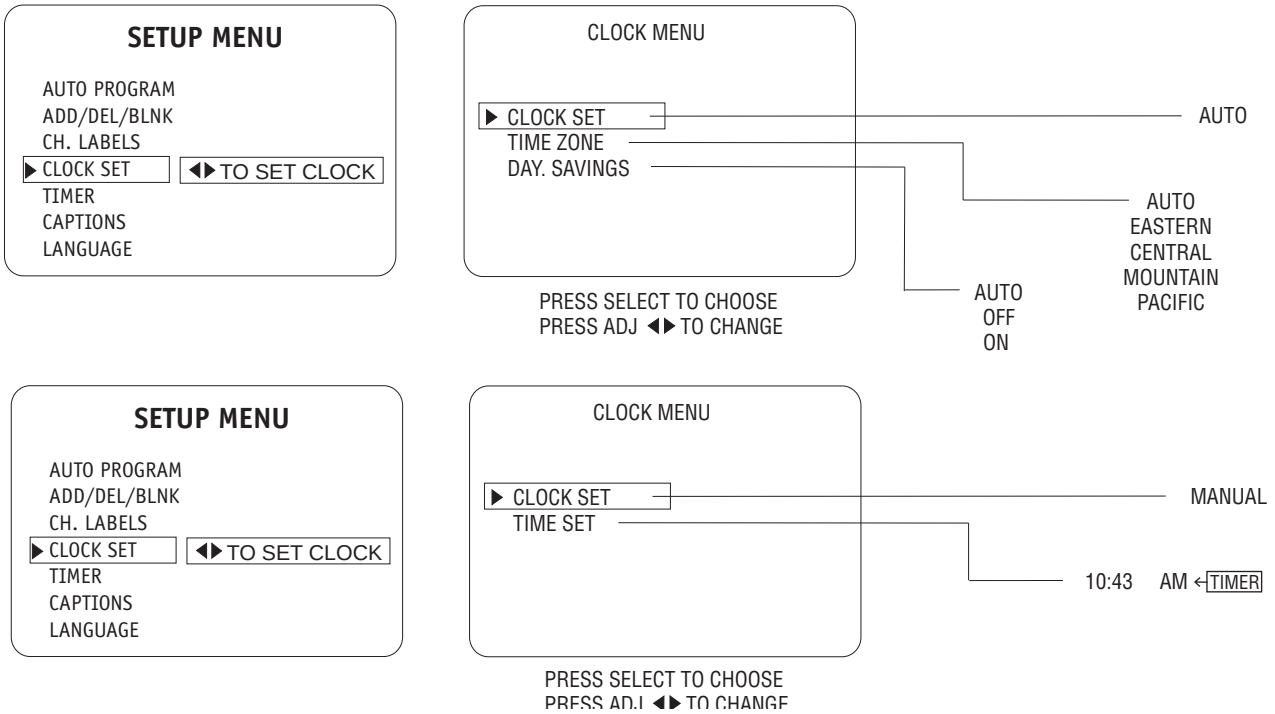
Operating the Menu to Create Custom Labels

Use Volume Up/Down to select the first letter; when it blinks it is selected.

Press MUTE to clear the label if necessary.

Use Channel Up/Down to change the character to one of the 255 characters available. (A blank letter space is available if required, after the "!" symbol.)

Adjust Left/Right	Switches to the next label. - - moves to the next or previous label.
Volume Up/Down	Selects character spaces - - moves to the next or previous character space.
Channel Up/Down	Scrolls through the available characters.
ENTER	Accept the channel label and removes the menu.
MUTE	Removes current label, - - if first character space is selected.



Clock Auto/Manual Operating Modes Setup

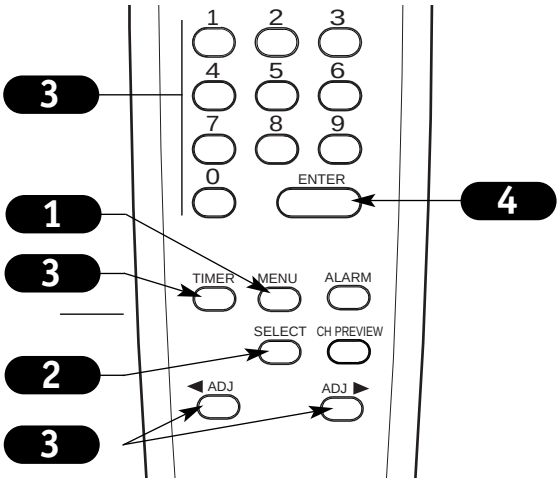
Use MENU, SELECT, and ADJ Left/Right to choose the Clock menu and to set up the clock menu options.

Clock Mode

Auto: TV automatically sets the time.
Time Zone: User can choose the time zone or have the TV set it automatically.
Day. Savings: User can choose to have daylight savings adjust the clock time one hour, or have the TV adjust it automatically.

Manual: User sets the time on the clock.

Press ENTER repeatedly to remove menus.



The clock can also be set using 24 hour "military time." For p.m. settings add 1200. For example, to set 6:30 p.m., add 1200 to 630, = enter 1830.

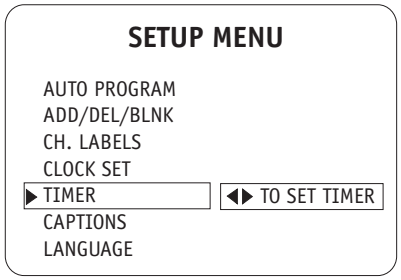
For Auto Clock Set to work, TV must be tuned to a channel that has XDS data available. Auto Clock Set, sets the time only once while the TV is on. To set the clock with XDS data, turn TV off, then back on again, or set the clock time manually.

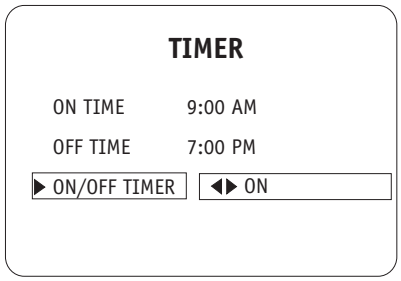
Mini glossary

TIME	A four-digit figure broken down into hours and minutes, used to enter the current time when setting the clock or wake-up alarm.
HOURS	First two digits that are entered when setting the clock or the wake-up alarm.
MINUTES	The last two digits that are entered when setting the clock, or the wake-up alarm.
TIMER	Chooses AM or PM when setting the clock.

On/Off Timer Setup

Set up On/Off Timers
Note: On/Off Timers operate independently of each other.





1 On the optional HP602 Installer's remote, press MENU repeatedly until the Setup menu appears.

2 Press SELECT repeatedly to highlight the Timer option, press the Right arrow.

3 Use SELECT to choose an option. Use the number keypad and/or the Left/Right ADJ arrows to enter the times. Use the TIMER key to set AM/PM.

4 Press ENTER to remove menu and return to TV viewing.

Your options are:

- **On Time**

Sets a time that the TV will turn itself On each day.

- **Off Time**

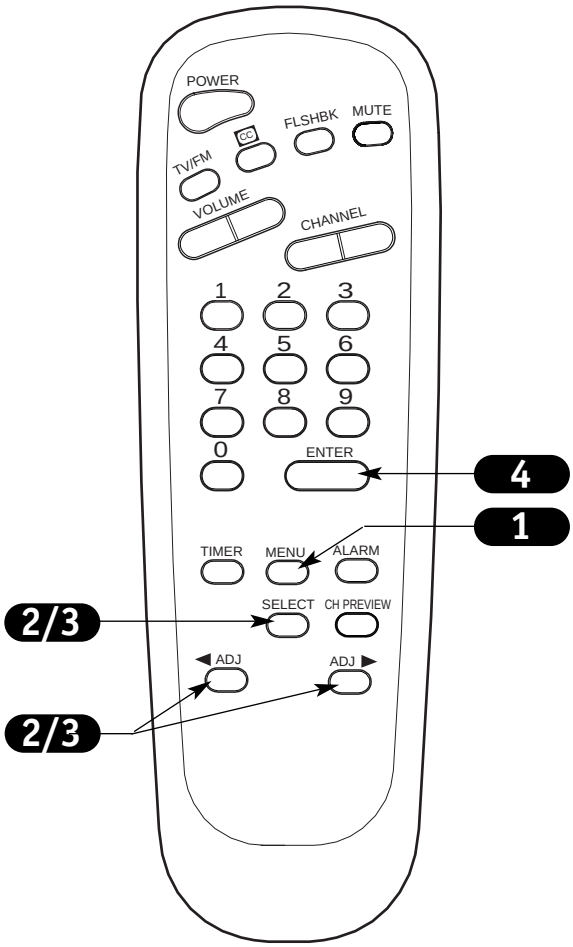
Sets a time that the TV will turn itself Off each day.

- **On/Off Timer**

Enables or disables the On/Off Timer functions. (The On/Off Timer can be disabled but the settings will be retained.)

The clock must be set before the Timers will function.

The Off Timer can be used to turn the TV off at the preset time.
Note: No On Timer setting is required to use the Off Timer feature.

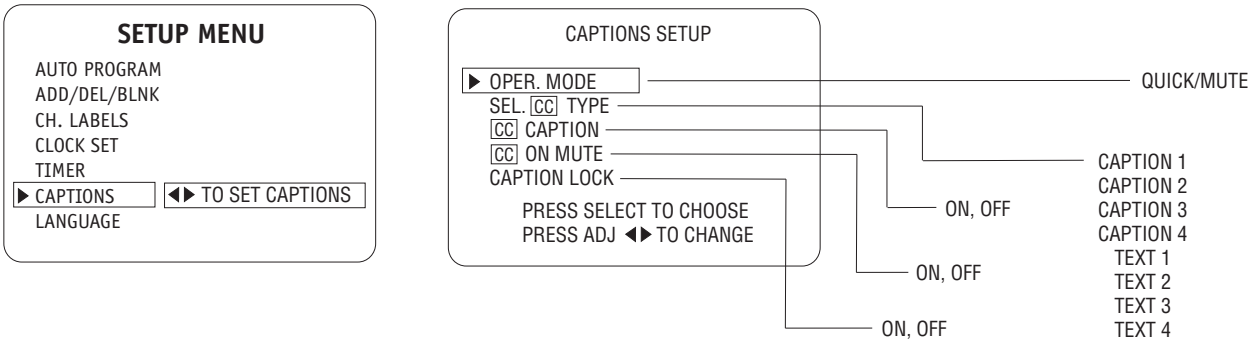


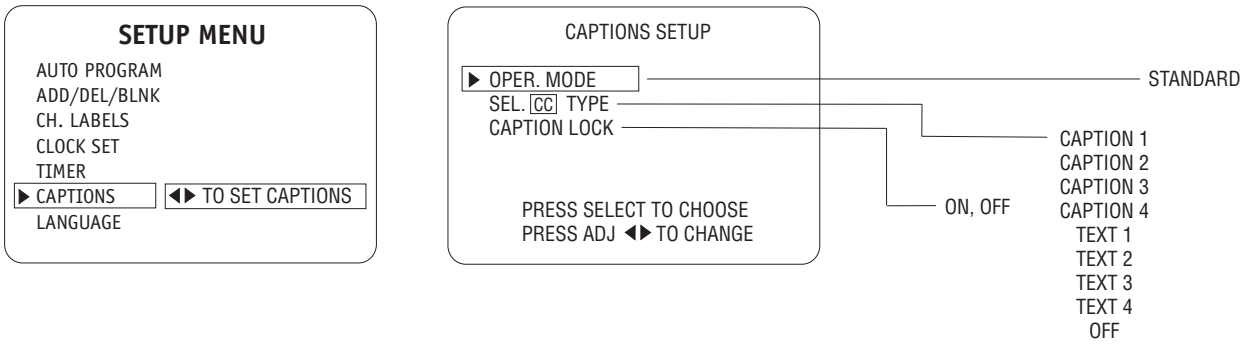
Mini glossary

TIME	A four-digit figure broken down into hours and minutes, used to enter the time when setting the clock or programming timers.
HOURS	First two digits that are entered when setting the clock or programming timers.
MINUTES	The last two digits that are entered when setting the clock, or programming timers.
TIMER	Choose AM or PM with the TIMER button when setting the clock.

Captions (Caption/Text Set Up)

Set up Closed Caption/Text options for the user





Closed Captions/Text Operating Modes Setup

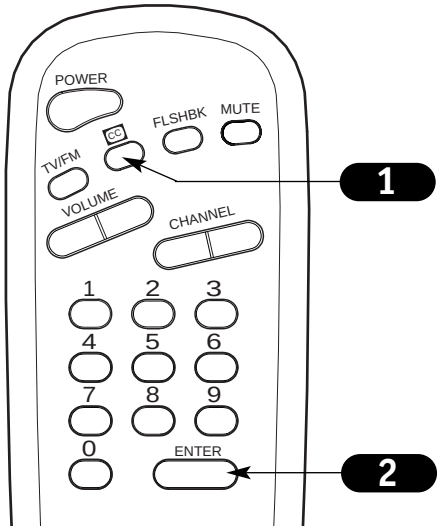
Use MENU, SELECT, and ADJ Left/Right to choose the Closed Captions/Text mode and to set up the other menu options for the user.

Quick/Mute — When CC is pressed: User can only turn Captions on/off. (If CC on Mute is on, shows captions option on mute.) (If locked, type is retained with Power on/off.)

Standard — When CC is pressed: User can choose a captions type. (If locked, type is retained with Power on/off.)

Press ENTER repeatedly to remove menus.

Standard closed captioning is available using the Caption 1 option.



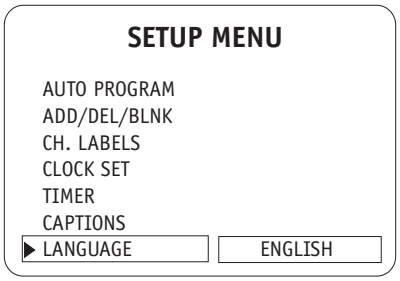
Caption/Text are features which allow the Concierge TV to receive the closed caption and/or text options if made available by the broadcaster.
Availability and functionality of Caption/Text options are determined only by each broadcaster and may not be available in your area.

Mini glossary

CAPTIONS	The term for the words that scroll across the bottom of your TV screen; usually the audio portion of the program provided for the hearing impaired.
TEXT	The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

Language

Choose the language for the on-screen menus

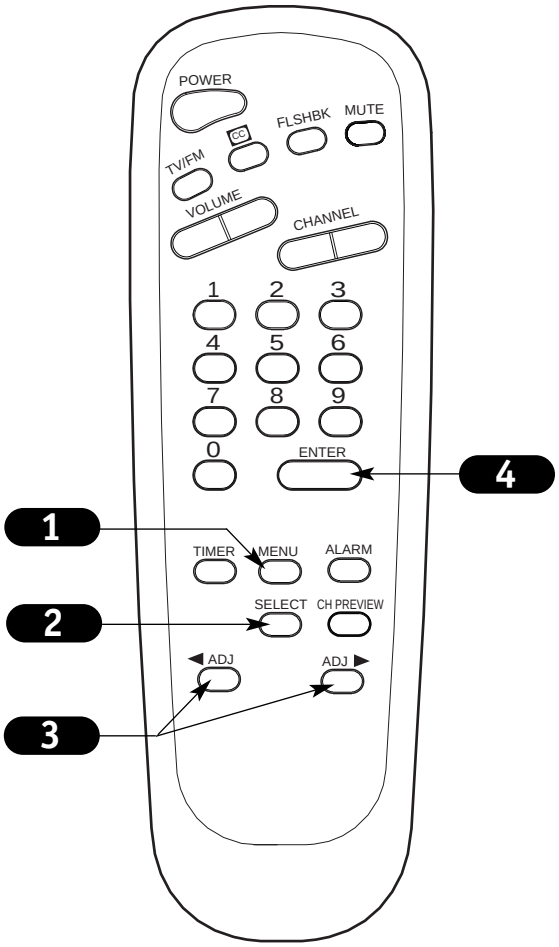


1 Press the MENU key on the remote control so the Setup menu appears.

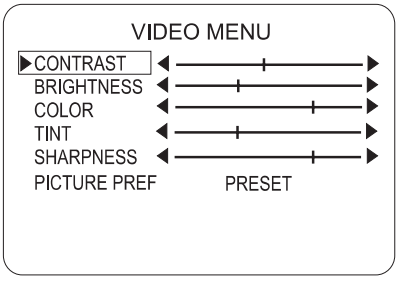
2 Use the SELECT key on the remote control, to highlight Language on your screen.

3 Press the Right/Left ADJ arrow to choose one of the following options: English, Spanish or French.

4 Press ENTER to return to TV viewing.

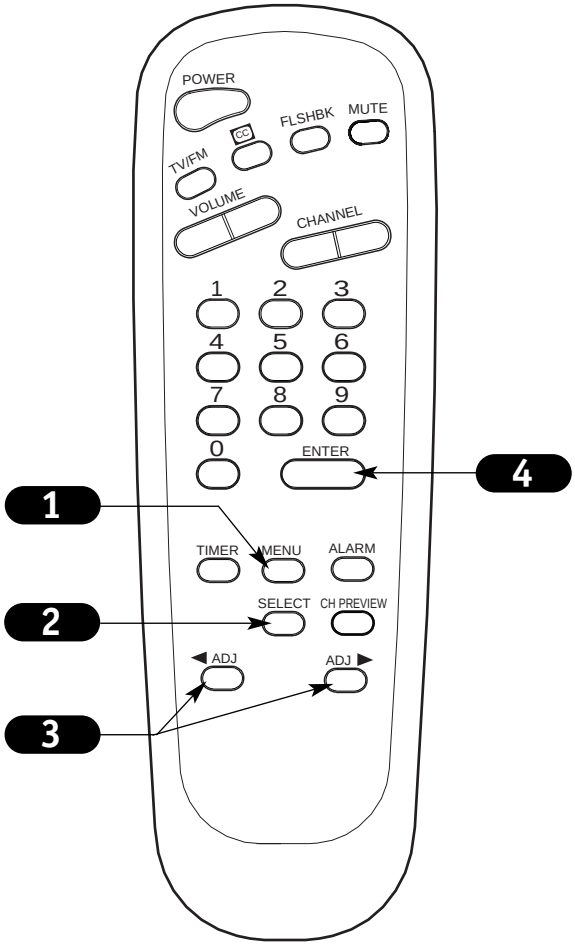


Use the Video menu to customize the picture appearance



1 Press the MENU key repeatedly until the Video menu appears. Your options are:

- **Contrast**: Adjusts the level of difference between white and black in the TV picture. The more contrast, the brighter the picture appears.
- **Brightness**: Increases or decreases amount of white in the TV picture.
- **Color**: Adjusts levels of all colors in the TV picture.
- **Tint**: Balances between amounts of red and green in the TV picture.
- **Sharpness**: Raises or lowers the definition of the TV picture. The lower the level, the softer the images will appear.
- **Picture Preference**: Choose either Custom or Preset. Custom allows you to set the picture the way you want. Preset moves all the above options back to their original, factory-set levels.



2 Using SELECT on the installer's remote control, choose Contrast on your screen.

3 Using a Right/Left ADJ arrow, change the contrast level to your preference.

4 Press ENTER, or MENU one more time to return to TV viewing, or repeat from step two to set the other menu options.

Picture Preference

A Use SELECT to choose Picture Preference on your screen.

B Use the Right/Left ADJ arrows, to choose either the original settings with Preset, or use your own settings with Custom.

Choose the Preset option in Picture Preference to quickly reset the Video menu settings to their original values.

If used, this optional feature can "block" undesirable programming from appearing on the TV

Parental Control offers the user a wide variety of options and settings that restrict or "block" the programming that can appear on the TV. Parental control allows the user the capability of defining which program rating they consider acceptable, to the younger or more sensitive viewer. It can be preset and turned either on or off by the user who specifies the secret 4-number code, the password. The number of hours blocked are specified. General audience and children viewer blocks can both be programmed into the TV's memory. Viewer ratings are specified for both TV and the motion picture industry; both rating systems can be used. The ratings are based mainly on the ages of children.

Overview

To insure complete coverage for all TV programs, (movies and regular TV shows) choose a rating for MPAA, from the selections below AND choose ratings from the TV Parental Guidelines Rating System on the next page, using the Age Block option for General Audiences and for Children. In addition to those, you may wish to add additional restrictions from the Content Block menu. See the Parental Control menu, and submenus example on the next page.

Things to Consider before Setting Up Parental Control

Determine which rating you consider acceptable to the viewer. (For example, if you choose TV-PG, all more restrictive ratings will be automatically blocked; the viewer will not be able to see: TV-PG, TV-14, or TV-MA rated programming.)

Do you want to block the auxiliary video source entirely? (Blocks the signal sent by the equipment, such as a VCR, connected to the TV Audio/Video input jacks; in the Aux. Block option.) Or leave unblocked, then choose allowable ratings.

Block program "Content" based on individual parameters such as: Strong Dialog, Mature Language, Sex Scenes, Violence Scenes, or Fantasy Violence Scenes; in the Content Blk option.

How many hours do you want Parental Control to be active? You can set the Hours option for up to 99 hours.

Select a secret password; in the Set Password option. Use the number keys on the remote. Don't forget the password, it is the only way you can access the Parental Control menu and change rating selections, or turn Parental Control off.

Do you want Parental Control to be active all the time? If not, you can turn it on or off; with the Lock On/Off option.

You can set different Parental Control viewing restrictions for general audiences and for children - - both can be active at the same time.

Simply specifying one content block such as Sex Scenes, will not automatically block another content in the programs from appearing.

You cannot disable Parental Control by disconnecting the TV from power. Block hours remaining will be retained if power is lost or power cord is disconnected.

The AUX input source can also be blocked.

Note

Reset Parental Control Block Hours to Zero and Cancel Password

This provides the lodge staff and the installer a means to reset the TV to normal operation, if a guest has either forgotten the password or has left Parental Control Block active after checking out.

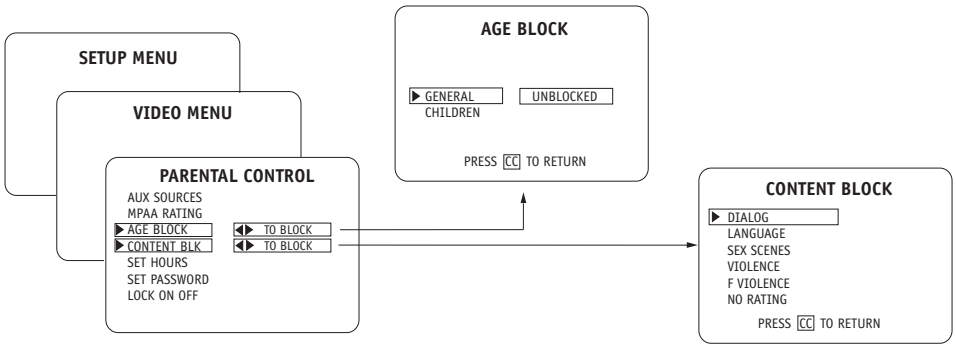
On the installer's remote control, press and hold down MENU until the menu disappears (about 6 seconds).

Immediately press 9, 8, 7, 6 and then CC.

This will reset the Block Hours to Zero and cancel the current 4-number password.

Installer Parental Control Menu

After you have read the preceding page, follow instructions below to set up and activate Parental Control.



Note: Use the installer's remote control to specify Parental Control settings.

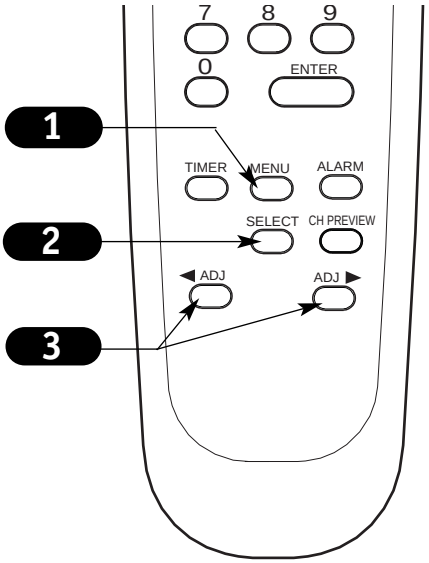
1 Press MENU repeatedly until the Parental Control Menu appears.

2 With the Parental Control menu on-screen, use the SELECT button to access the MPAA menu and customize the level of restriction.

3 Use the Left/Right ADJ arrow to adjust or set the rating for an option, for example, use the "PG" setting. (See the Mini Glossary, Ratings Charts on pages 34 and 35 for rating descriptions.)

4 After you have selected and adjusted the Parental Control menu options to your preferences:
- Set the number of hours Parental Control will be on.
- Set a 4-number password, using the number keypad.
- Set the Lock On/Off option to either On or Off.
  - On= Programs will be restricted.
  - Off= Programs will not be restricted; although restriction settings will be retained.

Note: Some broadcasts do not include rating information.



Notes

Reset the Maximum Number of Parental Control Default Block Hours

You can change the Block hours from the 12-hour default setting to up to 99 hours.
In the Factory Menu, item: 51 MAX BLK HRS 12, use the ADJ Left/Right adjust arrow to set a different default number of hours.

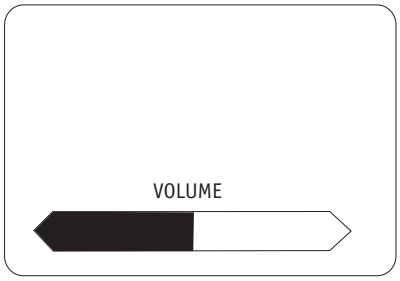
To Turn the Parental Control Feature Off/On

In the Factory Menu,
Items: 55 V-CHIP 0 or 1, 65 DIS. VCHIP M. 0 or 1

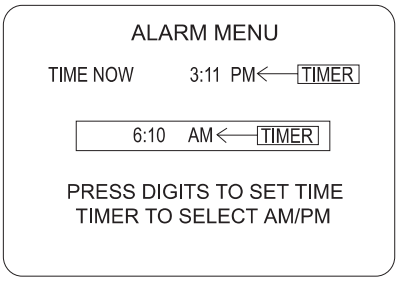
Options Setups for V-Chip Menu and Block Functions

55 V-CHIP	65 DIS. VCHIP M.	
0	0	Shows menu, no blocking.
0	1	No menu, no blocking.
1	0	Shows menu, Block functions.
1	1	No menu, Block functions.

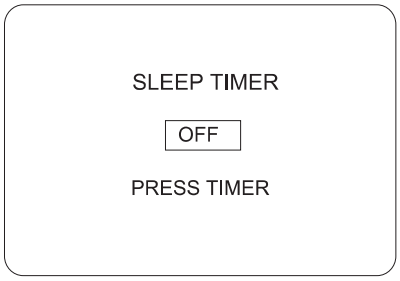
Press the remote keys indicated below to access these menus and displays



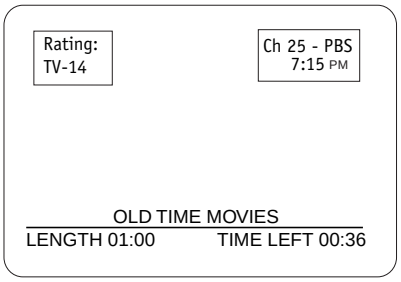
Volume Display
Press VOLUME. Shows currently selected sound setting.



Alarm Menu
Press ALARM. Sets a time the TV will turn itself on.

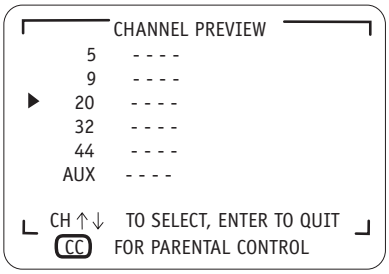


Sleep Timer Menu
Press TIMER. Shows remaining time before TV shutoff. Choose a preset time for TV turn-off.



Channel/Time/XDS Display
Press ENTER. Shows currently selected channel or source, current time if the clock has been set, incoming audio signal, and XDS data (if available).

Closed Captions Menu
Press CC. Turns selected option on or off. See Caption/Text page to select options.



Ch Preview Menu
Press CH PREV. Displays list of the available TV Channels, Guest Parental Control menu, and used to select Auxiliary input source.

Channel Banks Menu
Press SOURCE/BANK on an Installer remote equipped with those keys. Accesses the Channel Banks menus: Bank 1, Bank 2, Bank 3, Bank 4.

The TV has four channel banks, where the administrator or installer can store groups of TV channels Note: Channel banks set up requires an installer's remote with "Source" or "Bank" keys like the Zenith MBR3447, or a similar remote.

PLANNING THE CHANNEL BANKS

Generally, TV channels are grouped into "program packages" with terms that are proposed to the end user. The user then opts for a package. Below is an example of how TV channels may be grouped.

You may plan your package by using a chart like the one after the following page.

Remember, you can "blank" a channel for accommodating audio-only, such as an FM radio station or in-house communication.

Sometimes, only one or two channel banks may be needed. You may leave any unused bank with the channels entered during Auto Program; or, you may delete the channels. However, you may want to leave at least one channel in any unused bank. Then, if someone selects an "unused" bank, that channel will assure them that the TV is functional.

Note: Some channels from factory testing may be in the channel banks if you have not yet run Auto Program.

Channel Bank	Program package
1	Basic cable channels
2	Extended cable channels
3	Extended with premium channels
4	Other cable service options

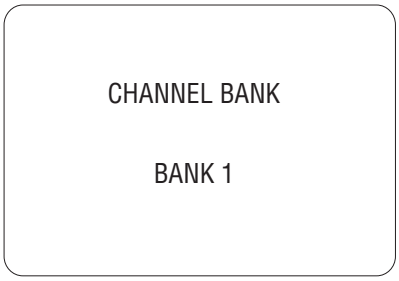
(Grouping is provided as an example only.)

The BLNK (blank) channel function is "global" -- the same channel number is blanked in channel banks 1, 2, 3, and 4.

ADDING / DELETING CHANNELS

A previously prepared programming chart is helpful.

1. Run Auto Program (in the Setup menu). All channels found on your cable/antenna will be entered in Channel Banks 1, 2, 3, and 4.
   Note: Be advised that running Auto Program overwrites any custom channel setups; removes Blanked, Deleted.
2. Select a channel bank with an installer remote - -press SOURCE/BANK (and repeat). CHANNEL BANK and BANK number will be displayed.
3. Use the ADD/DEL/BLNK item (also in the Setup menu) to customize your program package. You may delete channels or add some that have not been entered. You can also "Blank" a channel for accommodating an audio-only program source or in-house communication. See the "ADD/DEL/BLNK" menu page for more details.
   Note: The Blank Channel feature is global. A channel will be blanked in all channel banks.
4. Repeat steps 2, and 3 to program another channel bank.



Channel bank number display

Examples of typical channel banks charts

Figure 1. Typical channel banks after running Auto Program

BANK	Purpose	Channel Number																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1				A			A		A		A					A	A	A	A	A	A	A		A	A	A	A
2				A			A		A		A					A	A	A	A	A	A	A		A	A	A	A
3				A			A		A		A					A	A	A	A	A	A	A		A	A	A	A
4				A			A		A		A					A	A	A	A	A	A	A		A	A	A	A

A = Active - - Channel was found during AUTO PROGRAM

Figure 2. Typical channel banks after running Auto Program, and customizing with Add/Del/Blnk

BANK	Purpose	Channel Number																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	Basic		BC	A			A		A		A		A		D	D	D	D	D	D	D	D		D	D	D	D
2	Extend		BC	A			A		A		A		A		A	D	A	A	D	A	A	A		D	D	D	D
3	All CTV		BC	A			A		A		A		A		A	D	A	A	D	A	A	A		A	D	A	A
4	Other		BC	A			A		A		A		A		A	A	A	A	A	A	A	A		A	A	A	A

A = Active — Channel was found during AUTO PROGRAM
D = Deleted — Channel was deleted using Add/ Del option.
BC = Blanked Channel — Channel was blanked using BLANK channel option (ADD/DEL/BLNK).

ADDING / DELETING CHANNELS
It is best to do ADD / DEL customizing before doing "BLNK."

AUTO PROGRAM enters the same channels in banks 1, 2, 3, and 4.

AUTO PROGRAM removes any channels previously customized with ADD / DEL / BLNK. The channels available on your antenna / cable will be entered, and any channels previously entered but not currently available will be deleted.

ADD and DEL (not BLNK) can be used independently for channel banks 1, 2, 3, and 4.

A channel blanked, is blanked in all channel banks.

Channel allocations in tuning bands:

BROADCAST: 2 – 69
CABLE – CATV, HRC or ICC: 1 – 125

PLAN YOUR CHANNEL BANKS BY FILLING IN THESE CHARTS (or use photocopies).

BANK	Purpose	Channel Number																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1																										
2																										
3																										
4																										

BANK	Purpose	Channel Number																							
		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1																										
2																										
3																										
4																										

BANK	Purpose	Channel Number																							
		51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1																										
2																										
3																										
4																										

BANK	Purpose	Channel Number																							
		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1																										
2																										
3																										
4																										

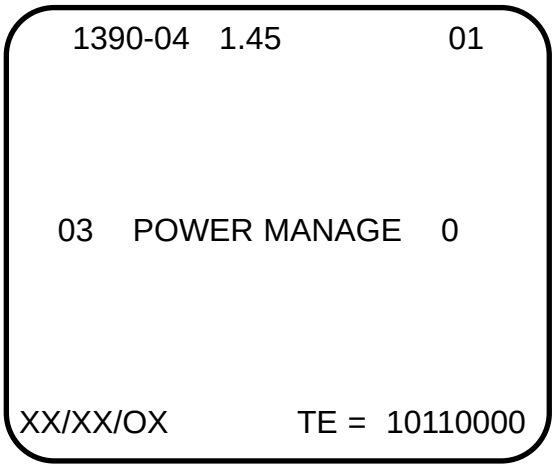
BANK	Purpose	Channel Number																								
		101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	FM
1																											
2																											
3																											
4																											

Use the Installer's Menus to make TV operation adjustments

Accessing the Installer's Menu

Installer's menus can be accessed by using the installer's remote control. Just press and hold MENU (about 8 seconds) until the display changes, then press 9, 8, 7, 6, then ENTER. To exit the Installer's Menu, press ENTER again. *Any changes you make will be stored in nonvolatile memory.*

The Installer's Menu opens with item 03, POWER MANAGE. Press the SELECT key to sequence through the various items. Or, access an item directly by entering the line number, then pressing MENU. For example, to access the Start Channel option which is on line 11, press 11, then MENU. To change a current setting use the Left/Right ADJ keys.



Using the Installer's Menu

Items 00-24 are immediately accessible only upon entering the Installer's Menu. Their numbers, descriptions, ranges, factory default settings, and a place for listing any changes made on-site are given below. A second section of the Installer's Menu that is intended for qualified service technicians only is not shown (items 25-79). Normally these items do not require adjustment.

Installer should leave item 00 FACT MODE set to 0 (default). Items 25-79 are service-type adjustments and only qualified technicians having specialized test equipment should access them.

Items in the Installer's Menu:

Item	Description	Range	Fact. Set	Recommend. Setting
00	FACT MENU	0 - 1	1	Leave default set 0
01	PRESET PX	0 - 1	1	
02	PRESET AX	0 - 1	1	
03	POWER MANAGE	0 - 7	0	
04	VERT POS	0 - 30	15	
05	HORZ POS	0 - 45	17	
06	BAND/AFC	0 - 7	0	
07	MIN VOLUME	0 - 63	0	
08	MAX VOLUME	0 - 63	63	
09	AC ON	0 - 1	0	
10	KEY DEFEAT	0 - 1	1	
11	STRT CHANNEL	0 - 255	255	
12	STRT VOLUME	0 - 63, 255	255	
13	HOSPITAL MODE	0 - 2	0	Leave default set 0
14	CHAN LOCK	0 - 1	0	
15	GHOST CH.	0 - 1	0	
16	SCAN MODE	0 - 3	0	Leave default set 0
17	TEXT MODE	0 - 1	1	
18	SLEEP TIMER	0 - 1	1	
19	ALARM	0 - 1	1	
20	CH. OVER RIDE	0 - 1	1	
21	OLD OCV	0 - 1	0	
22	CAPTION LOCK	0 - 1	0	
23	FUNCTION PRE	0 - 1	0	
24	FEATURE LEVEL	0 - 1	1 Zen 1/0 P Lbl	Leave default set 1 (1 Zen 1)

Use the Installer's Menus to make TV operation adjustments

00 FACT MENU (Factory Mode)
Used to access and customize the 00 - 24 Installer's Menu settings using installer type remotes.

01 PRESET PX (Preset Picture)
Saves your custom video settings (color, tint, contrast, and brightness) in nonvolatile memory (not affected by power loss). Memory status is indicated by a 1 for "custom settings already stored," or 0 for "custom settings have not been stored."

Make all custom video settings before you access the Installer's Menu and PRESET PX. When you use the ADJUST keys to toggle from 0 - 1, any changes in the video settings will be stored sure they are correct! These settings become the PRESET values for the PICTURE PREF option of the Video Menu. (For more information refer to the Video Menu section of this manual.)

02 PRESET AX
These TVs are monaural audio only. Since monaural operation is only mode available, leave default setting.

03 POWER MANAGE (Power Management)
The POWER MANAGE function is for saving energy. When set to 0, Power Manage is OFF. Settings range from 0 - 7, with 1 - 7 representing the hours that the TV will remain on, unless there has been activity from either the control panel or remote.

04 VERT POS (Vertical Position)
Moves captions and displays vertically on the screen. Use the ADJUST keys. Typical value is 15. Black bars top and bottom define the active screen area.

05 HORZ POS (Horizontal Position)
Moves captions and displays horizontally on the screen. Use the ADJUST keys. Typical value is 15. Black bars top and bottom define the active screen area.

06 BAND/AFC (Band/Automatic Frequency Control)
There are 8 possible settings for this option:

0 = Broadcast Fixed	4 = Broadcast AFC
5 = CATV Fixed	1 = CATV AFC
6 = HRC Fixed	2 = HRC AFC
7 = ICC Fixed	3 = ICC AFC

Channels are accessed faster when fixed modes are used. The AFC (search modes) should only be used when some channels are not on nominal frequencies. NOTE: BAND is automatically set by AUTO PROGRAM.

If some channels were not found by AUTO PROGRAM, select the appropriate AFC setting here and add the channels using the ADD/DEL option in the Setup Menu.

07 MIN VOLUME (Minimum Volume)
This function determines the minimum volume level allowable with the VOLUME (VOL) Up/Down control. In this way, for example, someone cannot set the volume too low to hear. The range is from 0 to 63—change values with ADJUST . The factory default is 0, which provides full range of volume control. It may be best to set the same value on every TV. NOTE: The minimum volume level cannot have a value setting higher than in the MAX VOLUME level (described below).

08 MAX VOLUME (Maximum Volume)
This function determines the maximum volume level allowable with the VOLUME VOL Up/Down control. In this way, for example, someone cannot set the volume level high enough to disturb others. The range is 0 to 63, with 63 as the default which gives the guest the full range of volume control. Change values with ADJUST keys. It may be best to set the same value on every TV. NOTE: The maximum volume level cannot have a value setting lower than the MIN VOLUME level (described above).

09 AC ON (AC Power Switchable)
Allows the TV to turn ON just by applying AC power. Pressing the ON button is not necessary. This is desirable when the TV is plugged into a cable box or a power outlet controlled by a wall switch. Use ADJUST to select 0 or 1, where 0 is the default is OFF, and 1 is ON.

NOTE: When set to 1 (ON), the TV does not respond to ON/OFF commands from either the remote or the control panel, and the SLEEP TIMER is also nonfunctional.

10 KEY DEFEAT (Keyboard Defeat)
When set to 1, it prevents the end user from accessing screen menus on the front panel—MENU, SELECT, and ADJUST do not function. When set to 0, those keys are functional. The menus can always be accessed with MENU on the remote.

11 STRT CHANNEL (Start Channel)
When active, this function allows you to determine the initial channel number when the TV is turned ON. This feature is useful for an in-house information channel, since the TV would always select that channel when it is turned on. Setting this to 255 causes the last channel viewed when TV was turned off to be the tuned to channel when the TV is turned on again.

The range of values is 0 - 255. Use (adjust) keys to choose numbers that determine the start channel.

Use the Installer's Menus to make TV operation adjustments

12 STRT VOLUME (Start Volume)
When active, this function allows you to determine the initial volume level setting when the TV is turned ON. This feature is useful for an in-house information channel, since the TV would always select that channel when it is turned on. When inactive, the volume level and channel retain the settings when the set was last used.

The range of values is 0 - 63, 255. Use (adjust) keys to choose: (1) With number 255 the feature is inactive. (2) Other numbers determine the start channel. (3) Set the volume level as desired before exiting the installer menu.

13 HOSPITAL MODE
Not used in Concierge-series TVs. Leave at default setting 0.

14 CHAN LOCK (Channel Lock)
When set to 1 the CHAN LOCK is ideal if a cable box (or similar) is the sole source for programming—and the TV must always be on the same channel. Changing channels with the Channel up/down or or keypad numbers is impossible. Channel Lock is inactive when set to 0 (default).

Generally, this feature is used in connection with START CHAN (line 11) where the start channel may, for example, be set to 3 or 4. If the start channel is 3 then the TV will remain on channel 3. NOTE: When channel lock is active AUTO PROGRAM and CH. ADD/DEL in the SETUP MENU are not active.

15 GHOST CH. (Ghost Channel)
When set to 1, the current channel number is displayed in the upper right corner of the CRT. The number moves slightly to prevent damage to the screen. The default is "0" or OFF. NOTE: When captions are on, the "ghost channel" is not displayed.

16 SCAN MODE
Allows variation in setting the On/Off with Channel UP/DOWN. You may opt for TV channels only; TV channels + Off/ON; TV channels + FM radio; TV channels + FM radio + Off/On with these settings for Scan Mode:

Scan mode	Characteristics
0	Channel up/down keys change channels only.
1	Channel down below the lowest channel (or channel up higher than the highest) and TV turns off.
2	Channel down below the lowest channel (or up higher than the highest) and TV goes to FM radio. Channel down below lowest FM station (or Channel up higher than the highest) and TV channels return
3	Channel down below the lowest channel (or up higher than the highest) and TV goes to FM radio. Press channel down below lowest FM station (or Channel up higher than the highest) and TV turns off.

17 TEXT MODE
Determines whether TEXT 1, TEXT 2, TEXT 3, and TEXT 4 decoding is enabled when CAPTIONS are turned on (either from the Setup Menu or directly with CC on the remote). When set to 0, only Caption 1, Caption 2, Caption 3, and Caption 4 are accessible. When set to 1, Caption 1, Caption 2, Caption 3, and Caption 4 AND Text 1, Text 2, Text 3, and Text 4 are accessible.

TIP: Set Text Mode to 1 only if text is offered in your video system.

18 SLEEP TIMER
When set to 1, a guest may use the SLEEP TIMER feature. When set to 0, the sleep timer is not available.

19 ALARM
Gives you the option of making the alarm function available to the end-user. Set to 1, alarm function is available. Set to 0 to withhold this function.

20 CH. OVER RIDE (Channel Override)
When set to 1, the user is allowed to select channels with either Channel up/down or by direct keypad entry. When set to 0, only those channels that are entered in the active channel bank may be selected.

21 OLD OCV (On Command Video™)
Set to 1 for operation with systems from On Command Corporation.

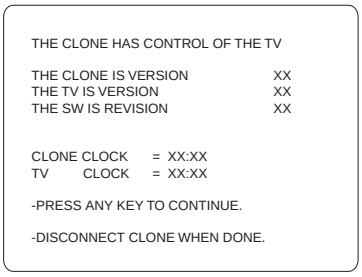
22 CAPTION LOCK
Set to 1 to restore previous caption On/Off state after TV turns off when set to 0, captions are always off when TV is initially turned on.

23 FUNCTION PRE
Set to 0 to suppress channel prev function with some pay per view systems.

24 FEATURE LEVEL (Note: Leave set to 1 otherwise the TV cannot be operated unless a Zenith private label remote is used.)
Set to 1 for default Zenith IR Code recognition.
Set to 0 for Zenith Private Label IR Code recognition.

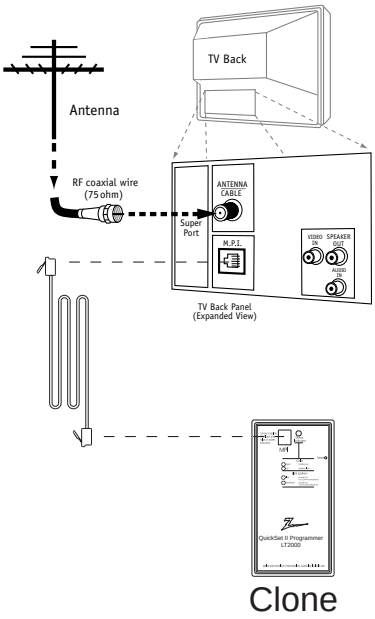
Installer should leave item 24 FEATURE LEVEL set to 1 (default). Items 25-79 are service-type adjustments and only qualified technicians having specialized test equipment should access them.

Use the Zenith LT2000 QuickSet II "Clone" Programmer to copy the setup from a "Master" TV then quickly transfer the setup to duplicate TVs - must be the same model number as the master TV


THE CLONE HAS CONTROL OF THE TV
THE CLONE IS VERSION XX
THE TV IS VERSION XX
THE SW IS REVISION XX
CLONE CLOCK = XX:XX
TV CLOCK = XX:XX
-PRESS ANY KEY TO CONTINUE.
-DISCONNECT CLONE WHEN DONE.

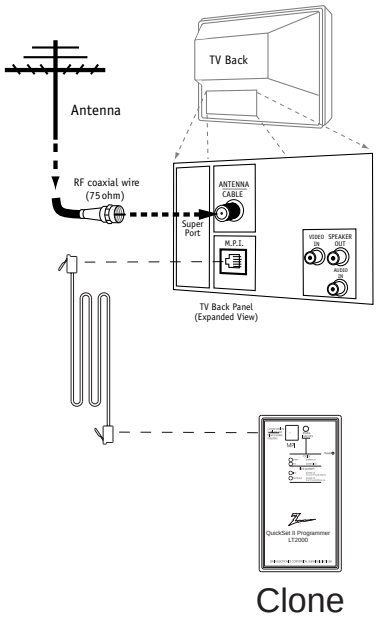
Clone Controlling TV Display

Learn Master TV
Typical MPI Connections



Clone

Teach Other TV
Typical MPI Connections



Clone

The optional QuickSet II Clone Programmer (LT2000) allows custom setup and programming information to be quickly copied from a master TV into multiple identical television sets. Once learned from the master, setup data is retained in the LT2000 for future use.

When using the LT2000, cloning operations will go easier if the TV set is connected to a good quality signal and operating with a stable picture displayed. To operate the LT2000, use the indicated keys on an HP602, LP702, or MBR3447 remote, or the front panel keys on the TV receiver.

Before you begin...

• The "master TV" should be connected to a good, stable signal from an over-the-air antenna or cable service and turned on.
• Teaching and Learning is only possible between identical model Zenith TVs. (However, the Clone programmer can store 4 different master TV setups.)

WARNING: Copying a blank or incorrect memory into a TV will cause the TV to operate erratically or become inoperable.

• Use a Zenith MBR Remote like the MBR3447 or the TV front panel controls to operate Learning and Teaching menus.
• Make sure that the batteries in the Clone programmer are fresh.
• If the batteries are removed, the Clone Clock time will be lost.
• Decide if you want to set the time from the Clone programmer or copy the time to the Clone programmer; from a TV which has the clock set to the current time.
• TVs chassis series with the numbers 34, 35, and 50 included in their model numbers (model numbers are on the TV's back) require an additional special procedure to set up Channel Labels. (See next page.)
• Follow the connection diagrams above to connect the Clone to a master TV and, after learning is complete, to another TV to "teach" it the setup.
• Setting the time and transferring it to the Clone or another TV is a separate procedure.
• Once a TV's setup is copied to another TV, that TV needs to be disconnected from power for about 5 seconds to activate the newly copied setup.
• See Troubleshooting to solve problems.

A. Set Up a Master TV

Using a Zenith Multi-Brand remote like the MBR3447, set up a "Master" TV with custom settings and features as described in the master TV's operating guide. (If the TV Model number includes 34, 35, or 50, do not set up Channel Labels at this time.) The master TV's Setup is what you will copy to the Clone Programmer and transfer to TVs of the same model so they will operate identically.

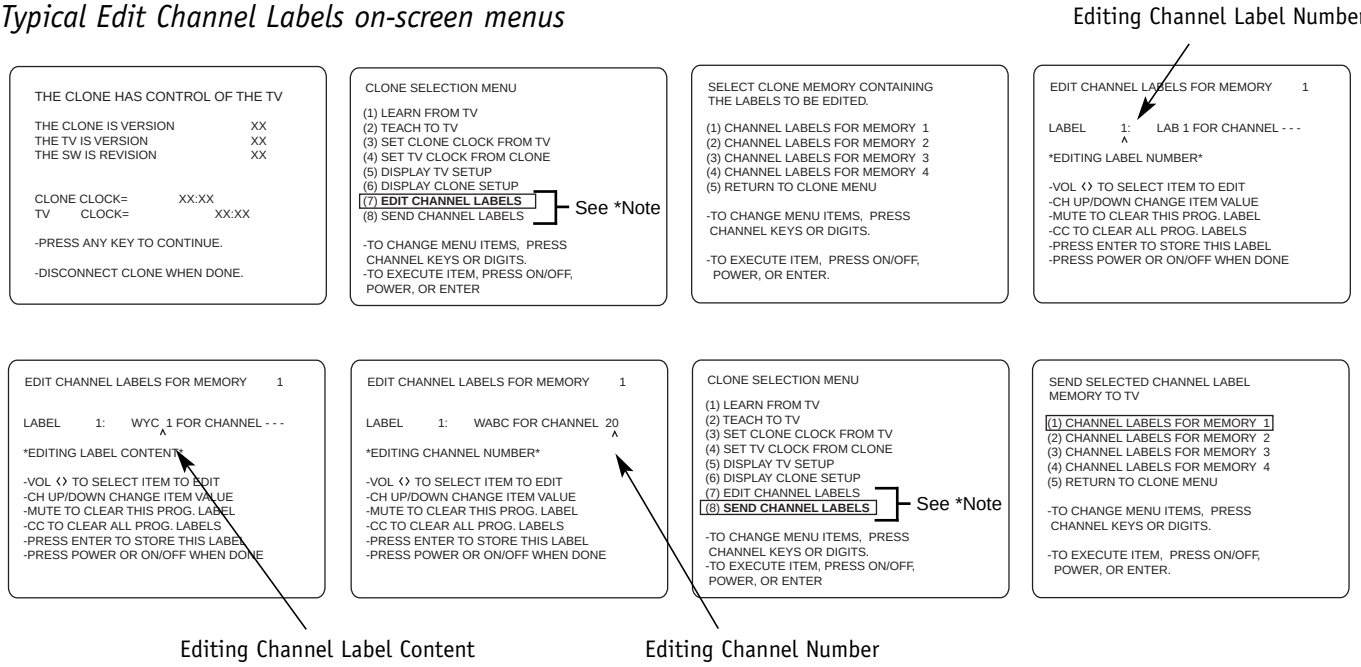
B. Connect Clone to Master TV

If there is a good connection, the "Clone has Control of TV" message will appear. (See menu above.)

A slow flashing green light indicates there is a problem with the communications between the TV and the programmer. In this case, check for a damaged cable, poor contacts, or other connection troubles.

If the status indicator is red, the programmer batteries are low and should be replaced. Use 4 good-quality alkaline AA batteries.

Typical Edit Channel Labels on-screen menus


Editing Channel Label Number
THE CLONE HAS CONTROL OF THE TV
THE CLONE IS VERSION XX
THE TV IS VERSION XX
THE SW IS REVISION XX
CLONE CLOCK= XX:XX
TV CLOCK= XX:XX
-PRESS ANY KEY TO CONTINUE.
-DISCONNECT CLONE WHEN DONE.
CLONE SELECTION MENU
(1) LEARN FROM TV
(2) TEACH TO TV
(3) SET CLONE CLOCK FROM TV
(4) SET TV CLOCK FROM CLONE
(5) DISPLAY TV SETUP
(6) DISPLAY CLONE SETUP
(7) EDIT CHANNEL LABELS
(8) SEND CHANNEL LABELS
See *Note
-TO CHANGE MENU ITEMS, PRESS CHANNEL KEYS OR DIGITS.
-TO EXECUTE ITEM, PRESS ON/OFF, POWER, OR ENTER
SELECT CLONE MEMORY CONTAINING THE LABELS TO BE EDITED.
(1) CHANNEL LABELS FOR MEMORY 1
(2) CHANNEL LABELS FOR MEMORY 2
(3) CHANNEL LABELS FOR MEMORY 3
(4) CHANNEL LABELS FOR MEMORY 4
(5) RETURN TO CLONE MENU
-TO CHANGE MENU ITEMS, PRESS CHANNEL KEYS OR DIGITS.
-TO EXECUTE ITEM, PRESS ON/OFF, POWER, OR ENTER.
EDIT CHANNEL LABELS FOR MEMORY 1
LABEL 1: LAB 1 FOR CHANNEL - - -
EDITING LABEL NUMBER
-VOL ‹› TO SELECT ITEM TO EDIT
-CH UP/DOWN CHANGE ITEM VALUE
-MUTE TO CLEAR THIS PROG. LABEL
-CC TO CLEAR ALL PROG. LABELS
-PRESS ENTER TO STORE THIS LABEL
-PRESS POWER OR ON/OFF WHEN DONE
EDIT CHANNEL LABELS FOR MEMORY 1
LABEL 1: WYC 1 FOR CHANNEL - - -
EDITING LABEL CONTENT
-VOL ‹› TO SELECT ITEM TO EDIT
-CH UP/DOWN CHANGE ITEM VALUE
-MUTE TO CLEAR THIS PROG. LABEL
-CC TO CLEAR ALL PROG. LABELS
-PRESS ENTER TO STORE THIS LABEL
-PRESS POWER OR ON/OFF WHEN DONE
EDIT CHANNEL LABELS FOR MEMORY 1
LABEL 1: WABC FOR CHANNEL 20
EDITING CHANNEL NUMBER
-VOL ‹› TO SELECT ITEM TO EDIT
-CH UP/DOWN CHANGE ITEM VALUE
-MUTE TO CLEAR THIS PROG. LABEL
-CC TO CLEAR ALL PROG. LABELS
-PRESS ENTER TO STORE THIS LABEL
-PRESS POWER OR ON/OFF WHEN DONE
CLONE SELECTION MENU
(1) LEARN FROM TV
(2) TEACH TO TV
(3) SET CLONE CLOCK FROM TV
(4) SET TV CLOCK FROM CLONE
(5) DISPLAY TV SETUP
(6) DISPLAY CLONE SETUP
(7) EDIT CHANNEL LABELS
(8) SEND CHANNEL LABELS
See *Note
-TO CHANGE MENU ITEMS, PRESS CHANNEL KEYS OR DIGITS.
-TO EXECUTE ITEM, PRESS ON/OFF, POWER, OR ENTER
SEND SELECTED CHANNEL LABEL MEMORY TO TV
(1) CHANNEL LABELS FOR MEMORY 1
(2) CHANNEL LABELS FOR MEMORY 2
(3) CHANNEL LABELS FOR MEMORY 3
(4) CHANNEL LABELS FOR MEMORY 4
(5) RETURN TO CLONE MENU
-TO CHANGE MENU ITEMS, PRESS CHANNEL KEYS OR DIGITS.
-TO EXECUTE ITEM, PRESS ON/OFF, POWER, OR ENTER.
Editing Channel Label Content
Editing Channel Number

C. Learn Setup from Master TV

Press 1 to select the "Learn From TV" option, then press ON/OFF, POWER, or ENTER to go to the Memory Bank Selection Menu. Pick the Memory "Bank" (1, 2, 3, or 4) you want to store this master TV's Setup in by pressing either Channel key repeatedly to pick Memory 1, 2, 3, or 4. (If you choose a Memory "Bank" that already has a master TV's setup already in it, it will be overwritten by this master TV's setup.) Once the Clone memory bank is selected, press ON/OFF, POWER, or ENTER. The Clone memory bank you have selected will be shown. Press ON/OFF or POWER to begin copying the master TV's setup.

Ca. 34, 35, 50 Chassis Series TVs Special Edit Channel Labels Feature

Use the Clone's EDIT CHANNEL LABELS option to create channel labels for the master TV. (It may be helpful to create a list of the available channels and write them down on paper. Alongside the channels numbers, write in your custom labels. See the Edit Channel Labels menus on the previous page. With the Clone Selection Menu on-screen, press 7, then ENTER to go to the Channel Labels Edit Menu. Edit the channel labels by following the on-screen instructions. When finished go back to the Clone Selection Menu and choose (8) SEND CHANNEL LABELS, then press ON/OFF, POWER, or ENTER. Pick the Clone memory bank where the channel labels will be stored. (Should be the same Clone memory bank 1, 2, 3, or 4 where you want to store the same TV setup.)

Cb. Set the Clock (Optional)

Set the time on the master TV's Clock. (If the time has already been copied from another TV into the Clone programmer, you can set the master TV's clock by copying the time from the Clone programmer.) The Clone Programmer can copy the current time to both a master TV and to the Clone's internal clock; accurate to within one minute. (Another reason that the Clone programmer should be equipped with fresh, high-quality alkaline batteries is for it to keep the time as accurately as possible.)
Since the Clone Programmer's time cannot be set directly, the time needs to be copied from a Zenith TV equipped with MPI input capability.

Once the time is copied to the Clone programmer, the current time can then be transferred to another TV. (This can be a Master TV, or another TV which has had the features already set up.)

D. Teach Master TV's Setup to Other TV

Once Learning is complete, remove the MPI cable from the master TV and connect it to the TV that you want to copy the master TV's setup to. With the "TV is Controlled by Clone" message displayed, press 2 or use either Channel key to go to the "Teach to TV" option, press ON/OFF, POWER, or ENTER. Follow on-screen instructions to transfer the Setup and other information to the "Learning" TV. After the "Teach to TV is Complete" message is displayed, press any key to return to the Clone menus option, then press ON/OFF, POWER, or ENTER. If finished, remove MPI cable from the TV.

E. Disconnect TV Power for 5 Seconds

Remove the TV power cord of the newly "Cloned TV" from the power outlet for about 5 seconds to activate the newly copied setup.

Operation Notes

Disconnect the Clone from the TV when you are finished; automatically switching it off. The real-time clock continues to run when the main circuits are switched off.

Reset Clone After Static Shock

After replacing exhausted batteries, or if the programmer behaves strangely after a static shock, use a paper clip or similar instrument inserted through the small hole marked "RESET" to activate the internal reset switch and restore normal operation. After a reset, check the real-time clock setting. It may be necessary to reset the Clone Programmer clock from a TV containing the correct time.

The LT2000 programmer is designed to be used with TVs containing the 221-01006 and later processors. Usage with earlier TV sets may give unpredictable results. The specific microprocessor used in any TV set can be determined by activating the Installer Menu. The microprocessor part number appears at the top of the screen when the Installer Menu is activated. Processors before the 221-01006-04 have a limited screen display capability. They cannot display entire screens as shown in the quick setup instructions accompanying the LT2000 clone programmer. Use the printed menu illustrations on the quick setup sheet supplied with the Clone as an aid to making your programming choices. (Although the menus are not all displayed, the clone functions all operate normally.)

Troubleshooting

Problem	Possible Cause(s)	Possible Solution(s)
Clone Programmer		
LED does not blink.	• MPI cord not connected. • TV not turned on. • Weak batteries.	-Connect MPI cord. -TV must be on for clone to work. -Install 4 fresh AA high-quality alkaline batteries.
Clone menu hard to read.	• Weak signal.	-Connect TV to a reliable signal source.
No time set.	• No time on master TV.	-Set time on master TV, copy time to Clone Programmer.
Menu items 7-8 not on clone selection menu.	• Not necessary.	-Channel Labels already cloned; if they were on master TV.
Master and Other TVs		
Cloning did not work.	• Procedure interrupted. • Different TV models.	-Wait until procedure complete message is displayed. -Cloning is only possible with identical model TVs.
Clone time disappeared.	• Batteries were removed.	-Batteries must remain installed to retain time settings.
Channel Labels not present on cloned TV.	• Saved to other memory.	-Must save channel labels to same memory bank as master TV setup.
New Setup not present.	• TV not reset.	-Disconnect newly cloned TV from power for 5 seconds.

When cloning operations are complete, just unplug the LT2000 from the TV.

If the TV does not display a picture (blank screen) after a few seconds, just change channels.

Parental Control Menu

This optional feature can be used to "block" undesirable programming from appearing on your TV.

This TV offers the user a wide variety of options and settings that restrict or "block" the programming that can appear on the TV. Parental control allows the user the capability of defining which program rating they consider acceptable, to the younger or more sensitive viewer. It can be preset and turned either on or off by the user who specifies the secret 4-number code, the password. The number of hours blocked are specified. General audience and children viewer blocks can both be programmed into the TV's memory. Viewer ratings are specified for both TV and the motion picture industry; both rating systems can be used. The ratings are based mainly on the ages of children.

Overview

To insure complete coverage for all TV programs, (movies and regular TV shows) choose a rating for MPAA, from the selections below AND choose ratings from the TV Parental Guidelines Rating System on the next page, using the Age Block option for General Audiences, and for Children. In addition to those, you may wish to add additional restrictions from the Content Block menu. See the Parental Control menu, and submenus example on the next page.

Things to Consider before Setting Up Parental Control

Determine which rating you consider acceptable to the viewer. (For example, if you choose TV-PG, all more restrictive ratings will be automatically blocked; the viewer will not be able to see: TV-PG, TV-14, or TV-MA rated programming.)

Do you want to block the auxiliary video source entirely? (Blocks the signal sent by the equipment, such as a VCR, connected to the TV Audio/Video input jacks; in the Aux. Block option.) Or leave unblocked, then choose allowable ratings.

Block program "Content" based on individual parameters such as: Strong Dialog, Mature Language, Sex Scenes, Violence Scenes, or Fantasy Violence Scenes; in the Content Blk option.

How many hours do you want Parental Control to be active? You can set the Hours option for up to 99 hours.

Select a secret password; in the Set Password option. Use the number keys on the remote. Don't forget the password, it is the only way you can access the Parental Control menu and change rating selections, or turn Parental Control off.

Do you want Parental Control to be active all the time? If not, you can turn it on or off; with the Lock On/Off option.

You can set different Parental Control viewing restrictions for general audiences and for children - - both can be active at the same time.

Simply specifying one content block such as Sex Scenes, will not automatically block another content in the programs from appearing.

When the Aux input is set to block, your TV will block all programming you have set for cable or over-air broadcasts.

You cannot disable Parental Control by disconnecting the TV from power. Block hours will automatically reset to the original block time setting specified if power is disconnected.

Mini glossary

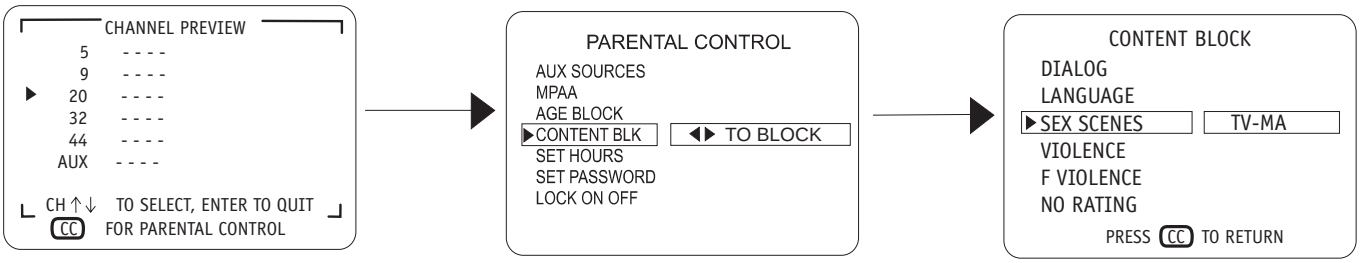
MOTION PICTURE ASSOCIATION OF AMERICA (MPAA) RATING SYSTEM

G	General Audiences	Content not offensive to most viewers.
PG	Parental Guidance Suggested	Content is such that parents may not want their children to view the program.
PG-13	Parental Guidance Suggested	Program is inappropriate for preteens, with a greater degree of offensive material than a PG rated program.
R	Restricted viewing	Not for children under age 17. Strong elements of sex and/or violence.
NC-17	Restricted Viewing	Not for children under age 17 under any circumstances. Strong sexual content.
X	Hard Core Films	Same as NC-17 rating.

Note: Zenith Electronics Corporation is not liable for any program content that appears when using this rating system; as always, user discretion is advised.

Parental Control Menu

After you have read the preceding page, follow instructions below to set up and activate Parental Control



1 Press CH PREVIEW.

2 Use CHANNEL Up/Down to highlight PARENTAL CONTROL.

3 Press ADJ Right arrow to go to Parental Control menu.

4 Use SELECT to highlight an option like CONTENT BLOCK.

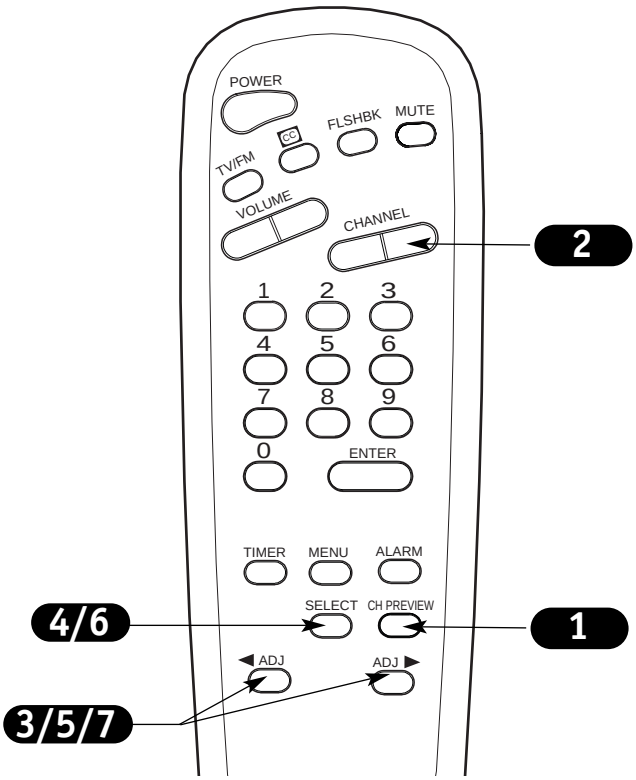
5 Press ADJ Right arrow to go to the CONTENT BLOCK menu.

6 Use SELECT to highlight an option like SEX SCENES.

7 Press ADJ Right arrow to choose: Unblocked, TV-PG AND ABOVE, TV-14 AND ABOVE, or TV-MA. (AND ABOVE means more restrictive headings are automatically included when you choose a low restriction setting like TV-PG.) See the Mini Glossary, Ratings Charts on this and the previous page for rating meanings.

8 After you have selected and adjusted the parental control menu options to your preferences:
- Set the number of hours Parental Control will be on.
- Set a 4-number password, using the number keypad.
- Set the Lock On/Off option to either On or Off.

Note: some broadcasts do not contain rating information.



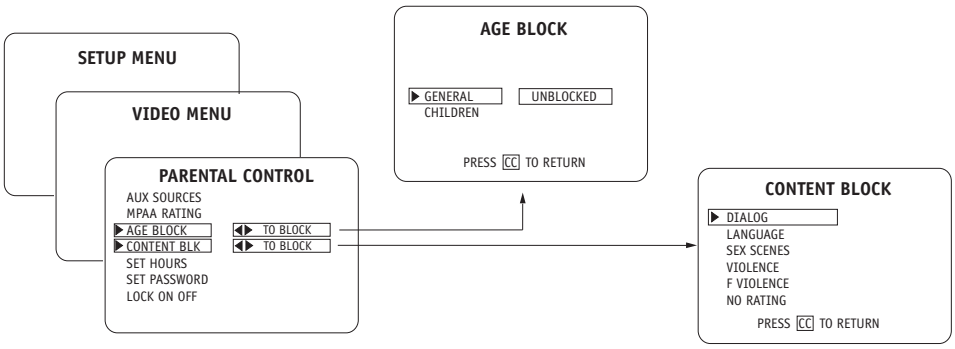
Mini glossary

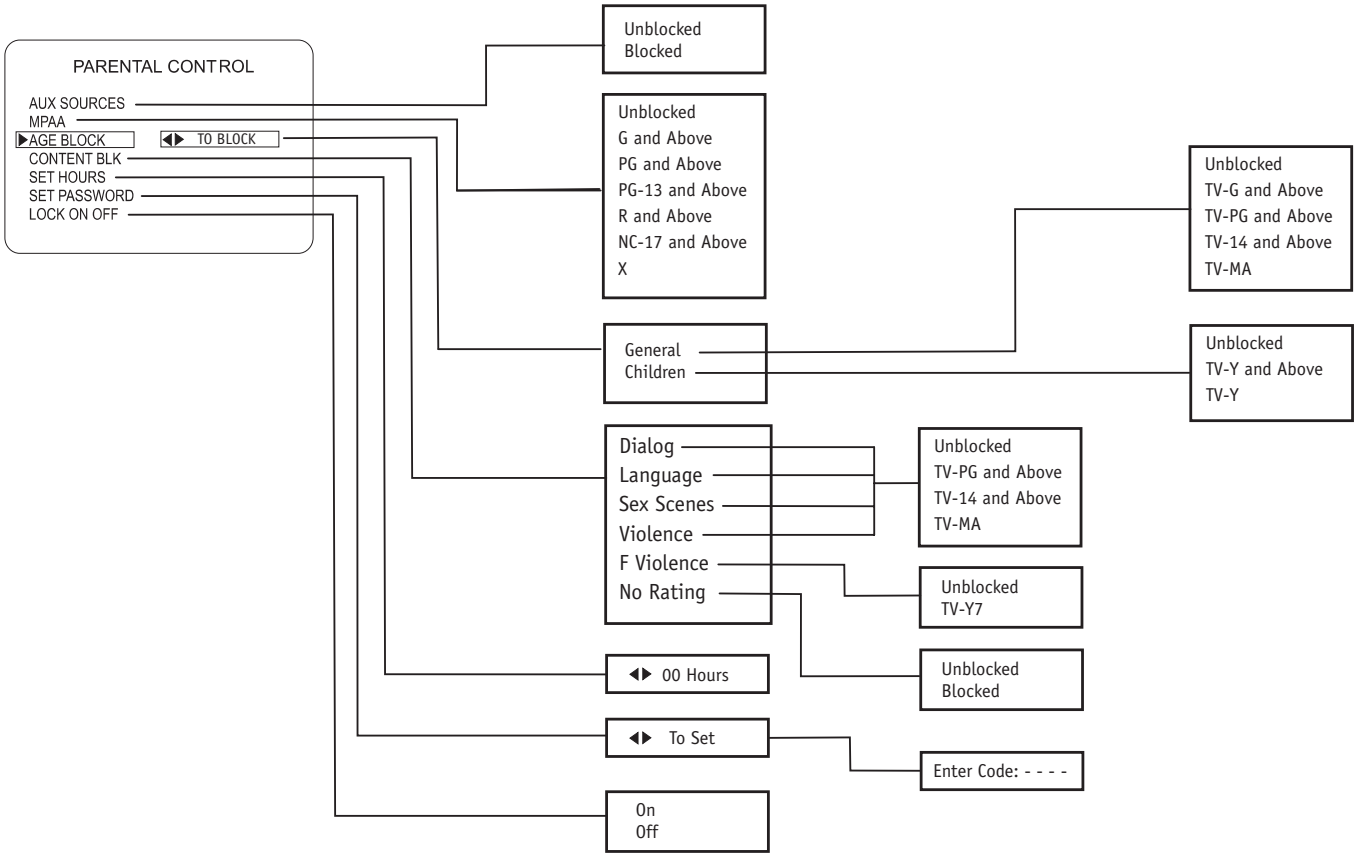
TV PARENTAL GUIDELINE RATING SYSTEM

TV-G	General Audience	Considered suitable for all audiences; children may watch unattended.
TV-PG	Parental Guidance Suggested	Unsuitable for younger children, may contain: Suggestive Dialog, Mature Language, Sex, and Violence Scenes.
TV-14	Parents Strongly Cautioned	Unsuitable for children under 14, may contain: Strong Dialog, Mature Language, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialog, Mature Language, Sex, and Violence Scenes.
CHILDREN'S CLASSIFICATIONS		
TV-Y	Children	Considered suitable for all children under 7 years old.
TV-Y7	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes.

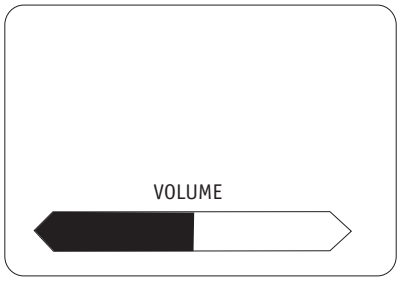
206-3490-0

Typical Parental Control Menu Structure

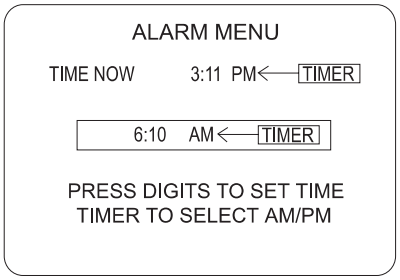




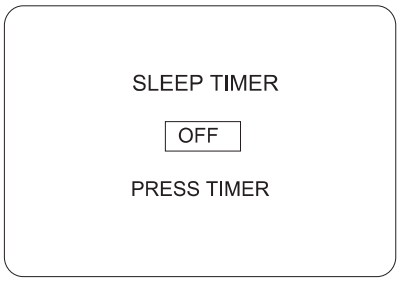
Press the remote keys indicated below to access these menus and displays.



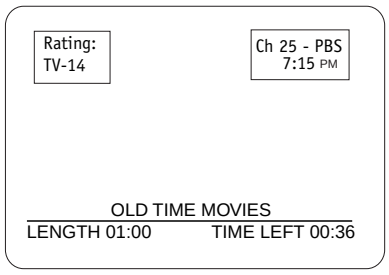
Volume Display
Press VOLUME. Shows currently selected sound setting.



Alarm Menu
Press ALARM. Sets the time the TV will automatically turn itself on.

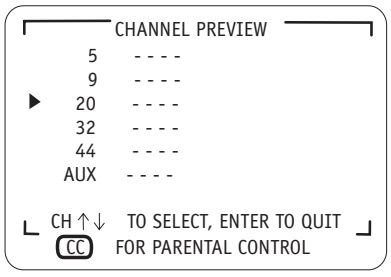


Sleep Timer Menu
Press TIMER. Shows remaining time before TV shutoff. Choose a preset time for TV turn-off.



Channel/Time Display
Press ENTER. Shows currently selected channel or source, current time if the clock has been set, incoming audio signal, and XDS data if provided by broadcaster.

Closed Captions Menu
Press CC. Turns Caption/Text option On and Off.



Ch Preview Menu
Press CH PREV. Displays list of the available TV Channels, Guest Parental Control menu, also used to select Auxiliary input source.

Routine TV cabinet and screen cleaning

Careful and regular cleaning can extend the the useful service life of the TV. Be sure to turn the power off and pull out the plug before you begin any cleaning.

Screen Cleaning

1. Here's a great way to keep the dust off the screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

2. Make sure the excess water is off the screen, and then let it air-dry before turning it on.

Cabinet Cleaning

1. Use a soft cloth with a mild soap solution to wipe the cabinet. (Avoid using any harsh, industrial strength variety of cleaner.)

2. Rinse the cloth and wipe the cabinet again.

3. Let the cabinet air-dry before turning the Concierge TV on.

Wood Cabinet

Use a quality wood cleaner and polish. This will protect the TV from dirt and dust, as well as keep the cabinet looking new.

Extended Absence

If the TV is to be left dormant for a long time, it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges. If you use an off-air antenna, you may also want to disconnect it from the back of the TV.

If you unplug the TV, you may have to reset the clock using the Clock Set menu described earlier. *See page 18.*

Troubleshooting

SYMPTOM	POSSIBLE SOLUTIONS
Snowy picture and unclear sound.	• Check antenna connection or location • Check cable input. • Check to see if the TV/VCR button on VCR has the TV selected
Multiple images or 'ghost shadows.'	• Check antenna direction and/or location. • Check cable input • Make sure the wire from the antenna to the TV is properly connected.
Interference: Sharp lines across the screen and poor sound.	*The following may cause image problems or distortion: Electrical appliances, powerful lights, cars, trucks; computers or portable phones; medical equipment* • If possible increase the distance between the The TV and the offending appliance. Or shut one of them off.
Normal picture but no sound.	• Check volume levels. • Make sure the TV sound is not Muted. • Try another channel. The problem may be the broadcast, not the TV • Are the Audio A/V cables properly installed? • Are the wires for external speakers (if you have external speakers) properly installed? • If the audio mode is set to SAP, the channel may not have a SAP program.
No picture and unclear sound.	• Are you in TV or cable tuning mode, and should be in the other? • Make sure output channels on all A/V equipment are on the same channel (3 or 4). • Check that all connections are tight.
No picture and no sound.	• Is the AC power cord plugged in? • Check that your AC power outlet works. (Test it by plugging in another device or try another power outlet.) • Make sure your brightness and audio controls are set properly. • Try another channel. The problem may be with the broadcast.
No color, but the sound is O.K.	• Check the settings in the Video menu. • Try another channel. The problem may be with the broadcast. Weak signal? • Broadcast may be in black and white.
Picture has a big black box on it, but the sound is O.K.	• The CC (closed caption) option may be in Text mode. Select Caption 1, or OFF in the Captions/(Text) menu.
Remote control doesn't work.	• Make sure the batteries are fresh and installed properly.
Menu options can't be changed or selected.	• Make sure the batteries are fresh and installed properly. • Try using front panel controls, remote control problem?.
No picture or sound when any non-cable source is selected.	• Try unplugging the TV for a few minutes, then plug it back in. • Check to see if the source equipment has been turned on. • Make sure that the connections are secure on the TV and source equipment.
No XDS Information.	• XDS data is provided at the description of the broadcasting station. Not all programs will have this information.

Glossary

A list of definitions for words found in this guide.

75 OHM RF CABLE	The wire that comes from an off-air antenna or cable service provider. The end looks like a hex-shaped nut with a wire sticking through the middle. It screws onto the threaded jack on the back of the TV.
300 TO 75 OHM ADAPTER	A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end.
A/V DEVICE	Any device that produces video or sound (VCR, DVD, cable box, or television).
ADD	This function lets you add new channels to list that you'll scroll through when using your remote.
AMPLIFIER	An electronic device that amplifies sound from a television, CD player, VCR, DVD or other A/V device.
ANTENNA	The physical receiver of television signals sent over the air. A large metal piece of equipment does not always have to be visible for your home to be using an antenna.
AUTO PROGRAM	Auto Program has the Concierge TV automatically find all the channels available in your area.
DELETE	Lets you remove channels from the list the guest will scroll through using the guest remote.
INPUT	Refers to the jack that receives a signal from a TV, VCR or other A/V device.
JACK	A connection on the back of a TV, VCR, or any other A/V device.
MONO SOUND	Mono (monaural) sound is one channel of sound. On more than one speaker, all the speakers play the same audio.
OUTPUT	Refers to the jack that sends a signal out of a VCR, DVD, or other A/V device.
2ND AUDIO PROGRAMMING/SAP	Second Audio Programming (SAP) is another, separate, audio channel Available with some programming. Choosing SAP often refers to listening to audio in another language, such as Spanish or French.
SIGNAL	Picture and sound traveling through a cable, or over the air, to your television screen.
TUNER	Device that picks up the signal and turns them into picture and sound.
XDS	Extended Data Service: Additional program information provided at the discretion of the broadcaster.

Notes

Notes

Your Zenith TV Warranty

Direct-View Color TV Welcome to the Zenith family! We believe that you will be pleased with your new Zenith TV. Please read this warranty carefully, it is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state within the U.S.A.

ZENITH'S RESPONSIBILITY

Service Labor During a period of one year from effective warranty date, Zenith will provide service labor by a Zenith authorized service center when needed, as determined by the Zenith service center, as a result of manufacturing defects.

Parts New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized service center for one year from effective warranty date (color picture tube — two years). Such replacement parts are warranted for the remaining portion of the original warranty period.

Warranty Service Warranty service is provided in the institution in most cases. (Some repairs may require the unit to be taken by the servicer to the repair facility and returned, at no additional charge.) Call **1-888-865-3026** for further information.

Not Covered This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls, installation or repair of antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ZENITH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS IN CONNECTION WITH THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

OWNER'S RESPONSIBILITY

Effective Warranty Date Warranty begins on the date of installation of the Commercial Products Direct-View Television Receiver.
For your convenience, keep the dealer's dated bill of sale or delivery ticket as evidence of the purchase date.

Operating Guide Read your Operating Guide carefully so that you will understand the operation of the TV and how to adjust the controls.

Antenna Reception problems caused by inadequate antenna or faulty antenna connections are the owner's responsibility.

Warranty Service **For warranty service information, call 1-888-865-3026.** Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call **1-888-865-3026.**
You must provide the model number, serial number and date of purchase or date of original installation.
Before you ask for warranty service, read "Maintenance and Troubleshooting" in the operating guide. You might avoid a service call.

For Customer Support/Service
Please call:

1-888-865-3026

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